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INDEXED

Vaughan's Gardening Illustrated

62ND Year

1938

JAN 3
U. S. Department of Agriculture

Vaughan's
Super Double
Bachelor's Buttons
Special Mixed
No. 1522, pkt., 25c
(See Page 5)

CHICAGO
10 W. Randolph st.
NEW YORK
47 Barclay st.

T. J. KNUDSON

EDITH MASON

Vaughan's Famous Rainbow Garden of Gladioli

BETTY NUTHALL

MAMMOTH WHITE

MRS. F. L. KARCHER

Fifty flowering size bulbs, five each of the ten outstanding varieties illustrated on this page. Each variety separately bagged and labeled. Prepaid 600 miles for $1.00.

The reproductions on this page are made by direct color photography, not of exceptional specimens, but of average flowers, reproduced on the same scale of reduction exactly one-fifth life size. For price on each variety see Gladiolus Pages.

DEARBORN

MINUET

PICARDY

MARMORA

CADILLAC

Vaughan's

FAMOUS RAINBOW GARDEN OF Gladioli

Above: A field of Vaughan's Rainbow Gladioli near Ovid, Mich., on Michigan route 21, 13 miles west of Owosso. Visitors are welcome from July 15 to October 1.

Gladioli may be planted in the garden to produce a desired color effect at just the time it is needed.

Five blue ribbons at the flower show is no unusual harvest for growers of our Rainbow Garden glads.

A basket of Rainbow Glads to decorate the church.

Again, we offer the greatest gladiolus value in the world, enriched with new varieties, all outstanding in merit, and at a reduced minimum price. The price is not lower than last year—for bulbs of such value that would be impossible. But in response to many requests we offer 50 bulbs (half our previous offer) for $1.00 (half our previous minimum price). If you have the room we strongly urge that you buy 100 bulbs or more; such garden beauty can hardly be bought elsewhere for so little. Each is among the very finest in its color, offered for a fraction of what one single bulb would have cost a short time ago. The bulbs are not first size, but they are of flowering size; they are the kind we use in growing exhibition flowers.

FIVE EACH OF THESE TEN VARIETIES:

(Illustrated in color on cover opposite)

CADILLAC. Rich golden apricot giant, self-color, seven huge flowers opening together. Warm and pleasing color.

DEARBORN. Immense spike of deep light orange florets, each 5 to 6 inches across. Unrivaled in its color. Early.

EDITH MASON. Exquisite geranium-pink, large flowers, many open together.

MARMORA. Largest of the "smokies," a misty lavender-blue and rose, huge flowers, eight open at once.

MRS. T. J. KNUDSON. A clear light violet, with deeper plume in throat. A leader among the new blue-violets.

MRS. FRANCES L. KARCHER. Vivid orange scarlet, with tall, straight spike, and large, well-placed florets, eight opening together.

PICARDY. Still undisputed champion of all. Huge spike, with immense florets, often ten open at once. Petals of waxy substance, slightly ruffled, apricot pink.

BETTY NUTHALL. An outstanding prize winner. Four feet tall, with giant flowers, coral with pale orange throat, feathering of carmine.

MINUET. True orchid coloring, giant flower, tall spike, vigorous grower, unquestioned leader of its color.

MAMMOTH WHITE. Largest of whites, a perfect exhibition flower, with blossoms of gardenia texture.

After April 1st it may be necessary to change this collection.

50 BULBS 5 each of above ten varieties.

Separately Bagged and Labeled.

$1

Prepaid 600 Miles.

WHAT 1937 BUYERS SAY:

I am very much pleased with the Rainbow Garden of Gladioli that I got from you last spring. People said they were much bigger than they saw at the flower show. Cleaver E. Schrack, Shoemakersville, Pa.

I shared a Rainbow Garden of Gladioli collection of 100 bulbs with a companion in our office. Mine were such a huge success they were talked about for miles around. Mrs. Phyllis A. Goldthorp, New York City.

I have had your Rainbow Gladioli for three years now and never had nicer ones, even when I paid twice as much. Some measured seven inches across. Mrs. W. H. Smeltz, Hegins, Pa.

I purchased your Rainbow Garden of Gladioli last spring and in all fairness must inform you how very beautiful they were. I feel you were very modest in your advertisement. H. T. Ferrell, Princeton, Ill.

Oakleigh Monarch

AND 7 OTHER CHAMPIONS

EIGHT GIANT DAHLIAS OF RAINBOW COLORS $4.75

Catalog Value $7.75.
Prepaid 300 miles for

YOU CAN GROW GIANT DAHLIAS. We provide directions with each order which will enable any conscientious amateur to produce flowers of exhibition quality, from either of the collections offered on this page.

The collection headed by Oakleigh Monarch will give you a dahlia display which few gardens can equal. The crop of tubers will be worth many times the cost of the collection. For beginners the set of ten for $2 is recommended. The fact that they have maintained their popularity for several years is proof of their merit, while at the same time it enables us to offer them at a lower price.

Disbudding Technique

The Diagram shows a Typical Dahlia Plant which was pinched back after making the first four leaves, and thereafter disbranched and disbudded to produce 10 exhibition flowers.

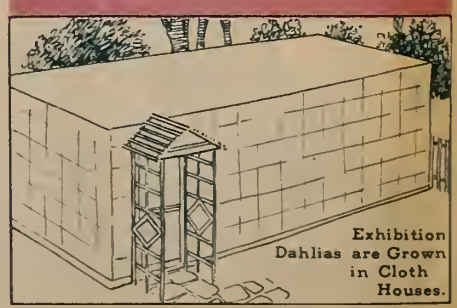
Ten Prize Winning Giants for . . $2

Value $3.65. Prepaid 300 Miles.

AVALON. (I. D.) Yellow. Each, 35c.
BARBARA REDFERN. (F. D.) Rose and gold. Each, 35c.
IDA PERKINS. (F. D.) White. Each, 50c.
JANE COWL. (I. D.) Buff and gold. Each, 35c.
JERSEY'S BEAUTY. (F.D.)Pink. Ea., 25c.
JOSEPHINE G. (S. C.) Pink tipped yellow. Each, 50c.
MONMOUTH CHAMPION. (F. D.) Orange flame. Each, 25c.
PORTHOS. (F. D.) Deep red. Each, 25c.
PRINCE OF PERSIA. (I. D.) Glowing crimson. Each, 50c.
ROSE FALLON. (F. D.) Dark orange. Each, 35c.

See complete descriptions on Pages 89-91.

The illustration below shows the dahlia cloth house of J. Louis Roberts, author of "Modern Dahlias." (See page 87.) For cloth house materials, see page 110.



Exhibition Dahlias are Grown in Cloth Houses.

One Each of These Eight Varieties, $4.75

OAKLEIGH MONARCH. (F. D.) It is a clear brilliant cerise red, quite unlike any other, and the keeping qualities, for such a large Dahlia, are remarkable. Blooms have kept ten days in perfect condition. It has created a sensation wherever grown and exhibited. Scored 86.9 at A.D.S. Trial Grounds, East Lansing, Mich., in 1935, and was one of the outstanding new varieties on trial. Diameter of flowers, 8-11 inches; depth, 4¼-7 inches; height of plant, 4-5 feet. Price, each, $2.50.

SULTAN OF HILLCREST. (F. D.) One of the largest we have ever grown. Color, strontian yellow with sunrise yellow reverse. Good formal decoratives are scarce and this will be welcome to every garden. Blooms up to 14 inches are not uncommon. Price, each, $1.00.

CAVALCADE. (F. D.) A beautiful new shade of old rose or mulberry pink. Flowers seven to nine inches, carried on long stiff stems. A commercial variety of as much importance as the famous Jersey's Beauty. Price, each. $1.00.

DWIGHT W. MORROW. (I. D.) An immense cardinal red dahlia—unusually rich in color and quality. This variety always attracts attention in our gardens. Flowers reach 10 inches across by 6 inches deep. Each, 75c.

OMAR KHAYYAM. (F. D.) A Chinese red at the base of petals, shading to a bright orange with paler tips, giving a soft effect. The flowers grow over 10 inches. Price, each, 50c.

SATAN. (S. C.) A flaming red cactus with a slight touch of gold at the center. The exquisite coloring is fascinating. The blooms regularly measure 12 inches. Price, each, 75c.

SEAL'S CALIFORNIA. (F.D.) Bright golden-yellow, shading lighter at tips. Perfect stems, strong and cane-like, holding the blooms in a very showy manner. Price, ea., 50c.

WHITE WONDER. (I. D.) This sensational variety is truly a white Fort Monmouth. The giant blooms are pure white with long, twisted and curled petals, size 12 to 14 inches across by 7 to 9 inches deep. Price, each, 75c.

Important—After April 1 it may be necessary to change this collection. Order early.

Presenting for Our Sixty-second Year

Vaughan's FLOWER SEEDS

1938 Novelties AND Specialties

ANNUALS

SPRING: "Get out the catalogue, write your list
Of things that in gardens must not be missed.
And hey, nonny nonny!
Point up the labels and study the fables
Of old in the seedman's gardening tables
And may the Lord send us
Annuals tremendous
Perennials stupendous
And first prizes lend us!"

Diocese of Chicago — Bulletin of the Chicago Social Agencies

341A. ANTIRRHINUM Swing Time Pink. Pkt., 25c.

Newest Rust-Proof Snapdragons

Culture: A or B (Mar. to April), D or E (Feb. to March)

By developing a strain of snapdragons immune to rust, scientists of the University of California have restored this brilliant flower family to leadership as a garden subject. Rust is a widespread disease which discolors the leaves and saps the vitality; if you have found snapdragons difficult to grow, rust is probably responsible. Growing the Rust-proof strain, difficulties disappear. Seeds germinate better, plants are more vigorous, the foliage clean, flowers large and of fine color and the flowering season prolonged.

MAJUS GRANDIFLORUM

352 Yellow Jacket. A clear deep yellow, the deepest in the Majus Grandiflorum group. Pkt., 25c.

353 Stoplight. Vivid signal red self, both lips and tube one solid color. The flowers are large and closely spaced. Pkt., 25c.

350A Opal Queen. A delicate combination of salmon and apricot blended together. A pale yellow lip gives emphasis. Pkt., 25c.

335 Majestic Pearl. Glistening pure white. Pkt., 20c.

351 Majus grandiflorum Shasta. Pure white, free flowering. Pkt., 20c.

354 California Giants. A most excellent mixture of Rust Proof Antirrhinums similar to the Majus Grandiflorum type, wonderful color range. Pkt., 25c.

MAXIMUM TYPE. These have huge individual flowers and flower spikes.

341A Swing Time. Picture the loveliest rose pink, fresh and crisp, then add a bright yellow lip and white tube. Spikes huge, blooms immense. Pkt., 25c.

342A Golden Glory. The deepest yellow in any Snapdragon. Flowers are closely spaced on huge trusses, habit all that can be desired. Pkt., 25c.

344C Daffodil. Beautiful two tone yellow.

347C Salmon Pink Shades.

347B Salmon Rose Shades.

347A White Spire. Compact plant, pure white flowers.

Each of above maximum type, pkt., 20c; any 3 pkts., 50c.

SUPER-MAJESTIC TYPE

326A Rose Sensation. Richest rose pink with a slight touch of salmon. Trusses are immense and finely tapered. Pkt., 25c.

326 Autumn Glow Shades.

327 Orange Shades. They consist of marvelous shades of rose deeply overlaid tangerine or golden orange.

328 Red Shades. Shades of deep crimson, garnet and ruby. Large flowers well spaced on spikes.

329 Rose Shades. Rich begonia rose tones.

330 Shell Pink Shades. These colors, fresh and dainty, show off to perfection in natural or artificial light.

331 Silver Pink. Lovely deep pink with a white blotch on the lower lip.

332 Super Majestic Type Mixed.

Each of above super majestic type, pkt., 25c; any 3 pkts. for 65c.

NON-RUST PROOF

432 Magic Carpet. A snapdragon of almost creeping habit, fairly covered with soft pink flowers. Useful for border or rock garden. Pkt., 25c.

See also page 39.

Lovely New Pink Asters

Culture: A or B (May 1-June 15th), D or E (Feb.-May.)

893 Wilt Resistant Giant Comet Illusion. 2 ft. A soft pastel apricot pink, especially fine for cutting and in combination with blue. Plants are upright, stems short. It is customary to cut the whole plant for cut flowers. Pkt., 25c.

918 Wilt Resistant Crego Enchantress. An entirely new color, a luscious, lively salmon rose. Flowers large, abundant, blooming early in September. Pkt., 25c.

Whitest of all Alyssums

Culture: A or B (March-July), D or E (March-May)

262 Benthami Procumbens Snow Cloth. A special selection, each plant flat and compact mass of white without green center. Seed saved from transplanted seedlings only. Pkt., 25c.

Illustrated on Our Front Cover

1522 Vaughan's Special Mixture of Super-double Bachelor's Buttons. Pkt., 25c.

Vaughan's New Super-Double Bachelor's Buttons

A perfected strain of this popular hardy annual, which everyone can grow in any garden soil. They have larger flowers, more double, with more vivid coloring, and long, wiry stems, making fine cut flowers. If the faded flowers are kept cut, the plants will blossom continuously throughout the summer.

1506—Blue Boy. The true cornflower blue.
1509—Snowman. Pure white.
1507—Pinkie. Lovely true pink.
1508—Red Boy. Deep glowing red.

Above, Each, Pkt., 15c.
One packet each, 4 pkts., 50c.

Copyright, 1938, by Vaughan's Seed Store, Chicago, Ill.

1204 **CALENDULA** Orange Fantasy. Pkt., **25c.**

1504 **CORNFLOWER** Jubilee Gem. Pkt., **25c.**

2230 **DIANTHUS** Delight. Pkt., **35c.**

Now, a Crested Calendula

Culture: A or B (Mar. to May), D or E (Mar. to April)

1204 Orange Fantasy, Crested. 15 in. New, true and distinct. A few rows of petals on the outside are long and beautifully twisted; inner petals short and fantastically curled and interlaced, to form a heavy crest which surrounds an attractive mahogany-bronze center. Flowers 3¾ inches across of deep bronzy orange with petals edged mahogany-red. Pkt., 25c.

1195 Double Orange Sunshine. A worthy running mate to the popular Sunshine or Calendula Chrysantha. The same loose flower form with dainty incurved petals is present, while the color is a clear light orange of a vivid and penetrating tone. The flowers are of good size, excellent for cutting and extremely showy in the garden. The stems are unusually long and very strong. Pkt., 25c.

1196 Frilled Beauty. The flowers are large and full, completely double, with good stiff petals which are semi-rounded in appearance, giving good body to the flower. Stems are long and fine for cutting, while the plant makes a strong heavy growth. The color is a deep orange. Pkt., 25c.

1201 Graciella Hybrids. A new dwarf type. The plants grow 12 inches tall, which makes them suitable for edging, borders, etc. The colors are varying from lemon to light and dark fiery orange yellow, with or without dark eye. Their greatest advantage, however, is in their early flowering—plants will be in bloom when 6-7 weeks old. Pkt., 20c.

Autumn Flowering Begonia

1109 Evansiana. This Begonia is a decidedly ornamental species, having rich green foliage with red reverse. It is a strong, erect grower and bears big trusses of light pink, small flowers. Unlike the ordinary hybrid tuberous sorts, Evansiana is happy under trees. Hardy with protection. Flowers in autumn. Pkt., 35c.

Semi-Double Calliopsis

Culture: A (March 1-June 1)

1218 Drummondi Semi-Double Gold Crest. A rich golden yellow with reddish brown zone. Flowers are 2½ to 3 inches across, with a double row of mammoth petals. Pkt., 25c.

1220 Drummondi Golden Crown. Award of Merit All America Selection 1938. A rich orange-yellow a third larger than Golden Wave. It has a pleasing fragrance and is nice for cutting, with 12 in. wiry stems. Pkt., 25c.

A Garden Type Cineraria

Culture: B, C or D.

1717 Annual Cineraria (Senecio Arenarius). An annual resembling the Star Cineraria. May be planted early in spring for summer flowering or late in fall for spring blooming. Colors include buff, apricot and mauve, as well as pink, rose and crimson. The leaves are very narrow, quite unlike the greenhouse cineraria. Pkt., 25c.

Gayest of All Clarkias

Culture A or B (Mar. to May), D or E (Feb. to Mar.)

1747 May Blossom. An absolutely distinct and very beautiful new Clarkia; the color is pure glowing rose which deepens with age to a shade of pink — it is the most free-flowering of all our recent introductions in Clarkias and the flowers are larger than any other variety. A welcome addition to a popular class of annuals. Pkt., 15c.

Blue Flowering Vine

Culture: C or D.

1816 Clitoria Ternatea. Very curious and beautiful flowers of azure blue with horse shoe shaped ring of white. Sced ready in April. Climbs 15 ft. Pkt., 25c.

Dwarf Blue Cornflower

Culture A or B (Mar. to June), D or E (Mar.-April)

1504 Jubilee Gem is a dwarf variety of Centaurea Cyanus, making a compact plant literally covered with double dark blue flowers. It has foliage distinct from all other cornflowers, forming a tufted mass of bright green, contrasting well with the dark but vivid blue flowers. The plant is about 12 inches in height. Pkt., 25c; ¼ oz., 75c.

Taller Giant Early Cosmos

Culture: A or B, D or E (Feb. to April)

Sensation, New Giant Early Strain. While flowers are matured within eight to ten weeks after seed is sown, they are larger even than the late flowering strains. They average 4 to 5 inches in diameter, with broad fluted petals which slightly overlap, giving a very full single flower. The flowers are abundant, on long stems, the plants growing 3 to 4 feet tall. Flowering continues until killing frost. This type of cosmos makes a splendid cut flower.

1968 Pink. A rose-pink selection. **1967 Purity.** White.

1966 Special Mixed. Including white and various tones of pink.

Each of above, pkt., 25c; one each of 3 varieties listed (3 pkts.), 65c.

Chrysanthemums from Seed

Culture: A or B (Mar. to June), D or E (Feb. to Mar.)

1621 Korean Hybrids. Easy to grow—sown in the spring they'll bloom this fall. That's the appeal of these beautiful, hardy Korean Hybrid Chrysanthemums. Every gardening fan will enjoy growing them. Magnificent colors. Compact bushes, virtually covered with flowers; showy; unexcelled for cutting. Earliest blooming—the first of the season. Pkt., 50c.

1664 Coronarium Double Golden Crown. Has a robust constitution, growing 3 to 4 ft. tall. It branches freely and blooms profusely, carrying from 50 to 60 flowers at one time. Rich golden flowers are double, with quilled petals. Pkt., 25c

Cuphea a New Dwarf Subject

1999 Firefly. This is a semi-dwarf, compact annual with a spread of about 12 inches. The flowers are freely produced, somewhat fluted, a deep rosy scarlet deepening almost to purple at the center. The foliage is very attractive, the plants flower from seed in five months. Our exclusive novelty. Pkt., 25c.

Annual Pinks, Improved

Culture: A or B, D or E (Feb. to April)

2230 Delight. 9 in. It is a hardy annual and has a neat, erect habit of growth which is continuous, flowering out of doors from June until October, producing flowers about an inch in diameter, not in trusses, but in alternating spikes in great profusion. There is a bewildering range of colors from the palest pink down to the deepest purple. Pkt., 35c.

2190 Madam Butterfly. A rare Japanese Sweet William which blooms from seed the first year. They are especially interesting as they are so unusual. Their silken fringed petals are white and pink. Pkt., 25c; 3 pkts. for 60c.

Helianthus or Sunflower

2710 Extra Dwarf Chrysanthemum Flowered Select. Plants make stout spreading growth and bear many golden-yellow double flowers measuring 4 to 5 inches across. Comes very true from seed. Pkt., 15c.

Leptosyne Flowers in 10 Weeks

Culture: A.

3011 Leptosyne Golden Rosette. A double form, perfect rosettes of bright yellow. Blooms in 10 weeks. Pkt., 25c.

Luxuriant Larkspurs

Culture: A or B (Mar. to June), D or E (Mar. to April)

2158 Giant Imperial Blue Cockade. 45 in. A beautiful new shade of rich lilac blue. The flowers are closely spaced on long strong spikes and each floret is fully double. Pkt., 15c.

2171 —Coral King. 24-30 in. A new color, blush pink with a strong suffusion of coral which grows deeper and richer as the flowers mature. The color impression is that of a pale, delicate coral pink with a salmon tint. The florets are very large and fully double, with rounded petals. Early flowering. Pkt., 20c.

2172 —Dazzler. 4-5 ft. A rich scarlet in the popular base branching type. The delphinium-like spikes of double flowers are carried on strong stems and are compactly placed, requiring only about one-half the space needed for the stock flowered type. Pkt., 15c.

2173 —Gloria Improved. 4-5 ft. This improved strain has the same type flower as the older variety Gloria, closely spaced florets of average size but with more pointed petals. The strain is early flowering, very even and upright in habit. It gives a good mass of color, a rich deep rose-salmon. Pkt., 20c.

2175 —White King. The flowers are a pure glistening white with rounded broad petals. The florets are extremely large and fully double, measuring as much as 2 inches across, and are evenly and closely spaced on the stem. This gives a very heavy Hollyhock-like cutting spike from 24 to 30 inches long. The plants are tall well over 5 feet, and are of the true Giant Imperial basal branching type. Furthermore, White King is very early blooming, coming into flower more than a week earlier than other Giant Imperial varieties. Pkt., 25c.

2139 Stock Flowered Rose Queen. The color is deep rose-pink without salmon shading. It is a distinct new shade in the pink section of the stock flowered Larkspur. Average height 45 in. and foliage is darker green in color, blooms earlier than Los Angeles. Pkt., 15c.

2131 —Lilac Supreme. Deep lilac, a new color in this popular type. Pkt., 15c.

2119 Paniculatum. ½-2 ft. An annual, making strong bushy plants, the stems splitting themselves up in manner of Gypsophila Paniculata, but the habit more upright. Leaves small and narrow. Flowers about ¾ in. in diameter, intense blue, are produced freely on top of plants. Pkt., 25c.

New Lobelia Blue

Culture: B, C, D or E.

3054 Lobelia Erinus Opal. Large flowered, rich opal blue, compact habit. Pkt., 25c.

Unwin Dahlias in Cactus Type

Culture: A, B, C, D or E.

2087 Unwin's Ideal Bedding Mixed. In habit it is very like the other Unwin Mixture, but the flower petals are nearly all twisted. Double and semi-double flowers in many charming colors, excellent for cutting. Pkt., 25c.

Dwarf Dimorphotheca

Culture: A or B.

2323 Calendulacea Tom Thumb Yellow Gem. 5-6 in. This showy little plant bears flowers of bright yellow without zone or eye. Producing a wealth of bloom, it is excellent for bedding, edges or rock garden. Pkt., 25c.

Godetias in New Colors

Culture: A or B, D or E (Mar.-April)

2574 Kelvedon Glory. Deep glowing salmon orange, of an intensity and vividness found in no other Annual. The blooms are of beautiful symmetry and fine texture. Contrary to most flowers of such exceptional coloring, the plants are strong and robust and their freedom of flowering unusual. Pkt., 20c.

2577 Sweet Heart. 12 in. The finest dwarf double. Flowers are a shining pink overlaid with cream. Highly recommended. Plant in rather poor soil. They thrive in cool weather under moist conditions. Pkt., 15c.

Escholtzia of Distinct New Type

Culture: A or B, D or E (Mar.-April)

2414 Ramona Hybrids Finest Mixed. The flowers are beautifully frilled and fluted, the petals incurving to form a flower which at first glance appears to be double. They are decidedly different and distinct. The plants are dwarf and compact and do not make a profuse foliage. The general effect is one of brightly colored flowers. Pkt., 15c.

1938 "All-America" Selections

IN order to obtain expert and unbiased judgment on the merit of new strains or varieties of flowers, trial plantings are made of all offered for the test, by expert growers in many parts of the United States, who report to a central committee their opinion based on their trials.

	AWARD OF MERIT	Pkt.
4023	PETUNIA Salmon Supreme. Salmon pink bedder	$0.35
3820	PANSY Coronation Gold. Large yellow self.....	.50
1220	CALLIOPSIS Golden Crown. Semi-double orange	.25
1204	CALENDULA Orange Fantasy. Dwarf, crested...	.25
3944	PETUNIA Orchid Beauty. Dwarf all-double.....	.50
	SPECIAL MENTION	
3943	PETUNIA GAIETY. Dwarf double, red and white.	.50

3143 **MARIGOLD** Chrysanthemum Flowered Incurved Mixed. Pkt., **25c.**

New Models in Marigolds

Culture: A or B (May 15th to June), D or E (Feb.-April)

3143 Chrysanthemum Flowered Incurved Mixed. Identical in form with incurved Chrysanthemum. Plants floriferous, stems strong, deep orange to light yellow flowers. Pkt., 25c.

3141 Crown of Gold. The first known marigold with odorless foliage. Flower centers are of short curled, quilled petals with a collar of flat guard petals on outside. Color is orange, 2½-inch flowers, fragrant. Plant is 2½ feet tall. Pkt., 25c.

3138 Carnation Flowered Golden Eagle. Closely related to the popular variety Guinea Gold, Golden Eagle has the same habit, height and form of flower, but the color is a delightful shade of luminous gold, pleasing and distinctive. The plants come 100% double and the usual Marigold odor is practically lacking and it is early flowering. Pkt., 25c.

3139 Carnation Flowered Lemon Gem. Another companion to Guinea Gold; type, height and habit are exactly the same. The color is rich lemon yellow, a few shades deeper than Marigold Yellow Supreme. Marigold Lemon Gem completely rounds out the Guinea type class and makes a wonderful long-lasting cut flower. Pkt., 25c.

3181 Dwarf Royal Scot All Double. A new strain, with dwarf bushy growth, every plant a uniform shape and height of about 10 to 12 inches. Color a rich mahogany and gold in uniform stripes. Pkt., 20c.

3183 Floribunda Orange. Height 12 to 15 in.; about the color of Guinea Gold. Good size, full petalled, carnation flowered type. Plants extra early flowering; flowered profusely during mid-summer. Pkt., 25c.

3149 Tom Thumb Golden Crown. 10 in. A dwarf form of Guinea Gold. Golden yellow flowers, of the same carnation type and firm substance, are produced in great abundance, often 25 to 30 on a plant. Fine for front row of border. Pkt., 25c.

3182 Mrs. Lippincott. 3 ft. A distinctly novel type of flower, with petals folded for more than half their length flaring out broadly at the ends, giving a pretty frilled effect. Plants are well branched and covered with attractive rich creamy yellow flowers 2½ in. across. Pkt., 25c.

3136 Burpee Gold. A new variety with foliage free from marigold odor. Beautiful carnation-like, fully double flowers are an even rich deep orange color, 3½ in. across. They somewhat resemble Guinea Gold, with loosely arranged petals shallowly fluted. 30 seeds, 10c; 100 seeds, 25c.

3186 Tall Single French Flaming Fire. 2½ ft. The long stemmed, brightly colored, large single flowers, 2 in. across, vary in color at different seasons. At times they are flaming red, at other times red and yellow. Plants are much branched, come into bloom in about 12 weeks and continue to bear profusely all through the season. Pkt., 25c.

Giant Morning Glories

Culture: See Page 53 for Special Instructions.

2942 **Heavenly Blue Improved.** Similar to Heavenly Blue, from which it was developed, this improved strain is in all respects superior to the old. The color is a deep intense blue, shading lighter toward the center; the flowers are large and freely produced and the plants do not make the rank growth characteristic of Heavenly Blue, but go into flower early in the season and continue throughout the summer months. It is also much earlier flowering and the flowers remain open until late in the afternoon, being still open at six o'clock in the evening on cloudy days. Pkt., 25c.

2920 **Super Giant Japanese Mixed.** A wonderful advance in size of bloom over existing varieties. They are fully seven to eight inches in diameter, in many charming and delightful shades. Supplied in special packets, illustrated by a Japanese artist. Pkt. (12 seeds), 50c.

Mesembryanthemum (Livingston Daisy)

3222 **Criniflorum.** Plants of slightly spreading habit are covered with daisy-like flowers, measuring about 2 inches, of pure white tinted and edged with rose, crimson, pink and buff; and self colors including primrose, golden, buff, apricot, crimson and pink. An ideal carpet or rockery plant and a gem for edging. Will succeed admirably in crevices of crazy paving or old walls and thrives well in poor soil Pkt., 25c.

Improved Fragrant Nicotiana

Culture: A or B (Mar.-June), D or E (Mar.-April)

3404 **Orange Blossom (Miniature White).** 18 in. An elegant small-flowered pure white species; delightfully scented; even, upright growth. Pkt., 35c.

3391 **Crimson Flame.** Petunia-like flowers form five pointed red stars, very fragrant, free bloomer. Pkt., 25c.

4652 **SALVIA SPLENDENS** Dwarf Fire Charm. Pkt.(100 seeds), **50c.**

Dwarf Red Salvia, Earliest Yet

Culture: A, B, D or E.

4652 **Fire Charm.** Dwarf form of Fireball, very early. Sow late in spring for early summer bloom. Pkt. (100 seeds), 50c.

Select Double Scabiosas

Culture: A or B (Mar.-June), D or E (Feb.-March)

4726 **Tall Blue Cockade.** Deeper color than Azure Fairy but devoid of any suggestion of rose. They are the purest deep azure blue that can be found in any annual. The flower has so great a depth as to be almost conical in shape. An excellent cut flower, being strong stemmed and free flowering. Pkt., 25c.

4733 **"La Fee."** A very double large flowered Azure Fairy, given a Special Merit by the New Jersey Experiment Station. Pkt., 25c.

4732 **Rosette.** A glorious new color, deep rose heavily suffused with salmon. The flowers are extra large and the stems long and stiff. This glorious, glowing new color will undoubtedly make Rosette popular. Pkt., 20c.

4734 **Salmon Beauty.** Huge salmon pink flowers, great vigor of growth like the sister variety, Loveliness. Pkt., 25c.

4739 **Improved Giant Hybrids.** Particularly large, massive blooms in an unusual number of rare colors Pkt., 15c.

New Pansy Colors and Strains

Culture: C (May-July); Pot up July-Sept., winter in cold frame.

3794 **Vaughan's "Super" Maple Leaf Mixture.** This strain is even finer than the original strain offered in our general list, with flowers of unbelievable size and texture; in a wonderful color range, larger than in any other strain, while the plants are of compact growth and the extra large foliage is a rich, dark green. Pkt. (250 seeds), 75c; ⅛ oz., $2.00.

3894 **Vaughan's Super Swiss Mixture.** We have made a special mixture from the strains of three pansy specialists. Many of the flowers are five blotched. All the vivid colors of the type are represented in their enormous wavy and crinkly flowers. Pkt. (250 seeds), 50c; ⅛ oz., $1.50.

3857 **Early Flowering Blue Boy.** Clear, pure, silvery lilac, plants compact and robust, blooms 2¾ to 3½ in. Pkt., 15c.

3818 **Giant Art Shades.** Distinct colors, including cream, primrose, pale mauve and others, frilled petals. Robust growth, heavy leaves. Pkt., 25c.

3820 **Giant Coronation Gold.** 1938 All America Award. Canary yellow flushed orange, flowers 3 in., ruffled, spicy scent. Pkt., 50c.

3907 **Pansy Fanal.** A very attractive color, a blend of scarlet-bronze. The flower is of good form, not extra large, but good sized. Pkt., 25c.

3898 **Swiss Fire Beacon.** Bright wallflower red with a touch of orange. Pkt , 25c.

3761 **Baby Delight.** 4 in. A lovely dwarf. Compact bushy growth, mixed colors. Pkt., 25c.

3831 **Shakespeare's.** The old and small varieties of the original flower have been alone selected as they were found growing almost wild near Stratford. Pkt., 25c.

Many Improved Petunias

Culture: Small Flowered, A or B (Mar.-June), Small Flowered, D or E (Mar.-April) Large Flowered, D or E (Feb. to April)

4036 **Balcony Cornflower Blue (Blue Wonder).** New rich blue, several shades lighter than the regular Balcony Blue. Pkt., 25c.

4057 **Burgundy.** Special Mention All America Trials, 1937. Large-flowered, 3½-inch blooms, shades of purple or carmine with white throat and tube with violet veins. Pkt., 30c.

4000 **Colorado Sunset.** Dwarf, fringed, rose pink, in bloom all summer. Pkt., 35c.

4049 **Dainty Lady.** A large-flowering single fringed variety of a distinct new hue in Petunias, a delicate golden-yellow, the first really yellow Petunia. The plants are neat, compact, semi-dwarf and free-flowering, bearing generous quantities of medium sized, delicately fringed flowers. Pkt., 50c.

4054 **Golden Jubilee.** It has fringed 3½-inch flowers of bright carmine, tinged scarlet, with a golden throat, light bronze markings. A gay and festive character. Pkt., 50c.

4022 **King Henry.** Compact, globular habit, large blooms of a velvety blood red color on short stems. A dwarf Flaming Velvet. Pkt., 25c.

4079 **Martha Washington.** The plant grows about 9 inches tall and forms a perfect ball effect literally covered with lovely frilled or ruffled flowers about 3 inches in diameter. The color of the frilled portion of the flower is a beautiful blush pink and the center portion is strongly veined a rich wine red deepening in the throat, which is a large dark violet. Pkt. 25c.

4046 **Rapture.** Large flowering fringed. Orchid rose, deep rose veins, golden throat. Pkt., 35c.

4027 **Rose Gem.** 5-6 in. This is a charming addition to the new miniature group which was started with Pink Gem. Rose Gem is the rich deep rose that has made Petunia Rose of Heaven so popular. The plant is compact and smothered with blooms about two inches in diameter. Pkt., 25c.

4023 **Salmon Supreme.** 12 in. Award of Merit All America Selection 1938. Dwarf bedding variety of distinct new light salmon color. Flowers 1½ in., white throat, plain petals. Pkt., 35c; 2 pkts., 65c; 3 pkts., 95c.

3986 **Topaz Rose.** Special Mention in All America Selections 1938. A fiery, velvety rose, slightly suffused with gold, topaz throat. Pkt., 25c.

4021 **Twinkles.** Masses of small brilliant rose flowers with well-defined pure white star. Very compact and free blooming. Pkt., 20c.

ALL-DOUBLE VARIETIES

3936 **Amaranth Red.**

3939 **Dwarf Carmine Glory.** Peony-flowered.

3942 **Dwarf Giant Fringed Loveliness.** Clear pink. Very double compact habit.

3938 **Dwarf Rose-Carmine (World Beauty).** Fringed.

3943 **Gaiety.** (Award of Merit by All-America 1938.) Rose-red and white, frilled flowers 3½ inches.

3944 **Orchid Beauty.** Fringed flowers 4 in. across on plants a foot tall. Color orchid, heavily veined violet.

3945 **Purple.**

3941 **Dwarf White Glory.** Peony-flowered.

Each of the above All Double Petunias: Pkt. (75 seeds), 50c.

3934 **Dwarf Giant Fringed Mixed (Victorious).** The flowers are very large, exquisitely ruffled and fringed and contain a good range of brilliant colors. Pkt. (100 seeds), 50c.

New Strain of Annual Phlox

Culture: A, B, D or E.

Vaughan's Beauty. This fine strain of large flowering dwarf Phlox is especially recommended for pot culture, combination and border planting. The plants grow about 8 inches high, compact and very free-blooming.

4211 **Alba,** white
4212 **Chamois**
4213 **Coccinea,** scarlet
4214 **Coerulea Stellata,** blue with eye
4215 **Delicate**
4210 **Mixed**

Each of above: Pkt , 25c; any 3 pkts., 65c.

All the New Sweet Peas

Culture: D or E (Mar.- April)

A New Race

4994 Spencer Multiflora Abundance. Fore-runner of a new type distinguished by the abundance of flowers. Six flowers on the stem is the rule, but seven, eight or nine flowers are not uncommon. Plants vigorous, long flowering season, stems long and strong and flowers of good size and well placed. Color a bright mauve, approaching orchid. Pkt. (25 seeds), 25c.

Early Flowering Spencer

5352 Boon. A glorious deep salmon pink on light cream ground. Pkt., 25c.

5356 Chime. A most pleasing shade of light salmon-pink on cream ground. Pkt., 25c.

5358 Colleen. Sprays of four sweetly fragrant, brilliant rose suffused with gold blooms. Turning to a rich golden rose under artificial light. Pkt., 25c.

5365 Danube. Is a bit lighter than Mrs. Hoover and a shade deeper than Blue Bonnet. Large, ruffled blooms of a clear lavender blue. Pkt., 25c.

5400 Emblem. Outstanding for its unusually long stems, flowers beautiful salmon-pink tone on the cream ground. Pkt., 25c.

5453 Josie. The largest longest stem pink sweet peas in existence. Pkt., 15c.

5481 Mariner. A vigorous grower. The clear blue flowers are practically without any tint of mauve shading at any stage. Pkt., 25c.

5480 Mother Machree. A golden rose suffused coral, free flowering. Pkt., 25c.

5519 Princess Blue. Pleasing Delphinium blue. Pkt., 25c.

5522 Redwood. The color is deep, bright rich crimson. The flowers are large and well placed. Pkt., 25c.

5529 Sequoia. A rich golden salmon-cerise pea, frilled and wavy. Pkt., 15c.

5528 Shirley Temple. Dainty frilled blooms of rich pink. Pkt., 15c.

5530 Sonnet. The flowers are very large, borne on long stout stems and the delicacy of the soft pink shade makes a truly sweet bunch. Pkt., 25c.

5532 Sunproof Orange. Of a bright scarlet orange hue—with a hint of more orange in the standard. Pkt., 25c.

5548 Tahoe. Large wavy flowers, chicory blue deepening to mauve. Pkt., 25c.

5549 Triumph. A lovely soft lilac-mauve. Pkt., 15c.

SPECIAL OFFER: Any 2 15-cent pkts., 25c; any 3 25-cent pkts., 60c.

Late Flowering Spencer

4991 Ambition. Rich deep lavender, with a darker shade on the base of the standard and wings when young, lessening as the bloom ages. Gold Medal and Award of Merit, National Sweet Pea Society Trials. Pkt., 15c.

4995 Bonnie Ruffles. Salmon-pink on rich cream, giving unique golden pink appearance. Pkt., 20c.

4993 Bridal Veil. This is a pure, solid and clear white which immediately impresses because of the giant flowers so frilly and graceful, duplexed or ruffled and five to each stem. Pkt. (30 seeds), 25c.

4999 Burpee Blue. Flowers large, ruffled and duplexed, dark blue, uniform throughout. Pkt., 20c.

5030 Enchantress (Sutton's). The blooms are of a glowing salmon-pink overlaying deep rich cream and are placed in very attractive fashion. It won the Silver Medal of the Scottish National Sweet Pea Society. Pkt., 35c; oz., $1.00.

5206 Sextet Queen. Pure white flowers of perfect form and of great substance. Normally produces five-flowered stems. Black seeded. Pkt., 15c.

5275 Yellow Tip. As the name suggests, this is the nearest approach to yellow as yet achieved. Flowers large and well balanced. Pkt., 15c.

Special Offer. Any two 15-cent packets for 25c; any three 25-cent packets, 60c.

Dwarf Salpiglossis

Culture: A or B (Mar.-April)

4620 Dwarf Giant Flowered, Mixed. These have a compact branching habit, with individual flowers half again as large as the Emperor type. Ideally suited for bedding purposes as they cover the entire head of the plant with blossoms. Pkt., 20c.

Schizanthus Much Improved

Culture: A or B (Mar. to June), D or E (Mar.-April)

4754 Pansy-Flowered (Danbury Park Strain). The large smooth-edged pansy-flowered blooms are remarkably substantial, while the rich self-colors in all shades of pink, crimson, mauve and purple, as well as white, are extremely bright and attractive. Pkt., 35c.

4753 Vaughan's Dwarf "Masterpiece." This is to our knowledge the best strain of Schizanthus in existence. The plants grow dwarf and compact, making them most suitable for pot culture. The flowers vary from light pink to dark violet, all with conspicuous blotches. Pkt. (100 seeds), 50c.

Valuable Verbenas

Culture: A or B (May 15th), D or E (Feb.-April)

5736 Crimson Glow. A pure glowing crimson without an eye, first of this color in the hybrida class, rounding out the color range. Pkt., 25c.

5712 Floradale Beauty. Special Mention All America Trials, 1937. Beauty of Oxford type of rose shades, salmon-rose predominating. Pkt., 25c.

5708 Gigantea Mixed. Large flowering varieties. ⅛ oz., 30c; pkt., 15c.

4828 **STRAWBERRY** Baron Solemacher. Pkt., **25c.**

New Runnerless Strawberries

4828 Baron Solemacher. Greatly superior to the Rugen variety, which we introduced 2 years ago, this wonderful novelty has the largest berries obtainable from seed in this strain. The plant does not have runners; flowers within eight weeks after sowing and produces great quantities of fruit throughout the season. Flavor and aroma make it ideal for pots or garden. Pkt., 25c; 3 for 65c.

4829 Baron Solemacher. Yellow Fruited. A counterpart of the above variety, except that the fruit is golden and of an even finer flavor. Pkt., 25c.

Many New Zinnias This Year

Culture: A or B (May 15th), D or E (Mar.-April)

6144 Dahlia-Flowered Pastel Shades. Some prefer soft pastel tints of salmon, lavender, cream and white. Pkt., 25c.

6131A —Desert Gold. Flowers are large double and well formed. The bicolor effect of deep golden-yellow at the base of each petal, contrasted with light or deeper gold at the tip is of arresting beauty. Height 2½ to 3 ft. Pkt., 25c.

5890 Halo. Neat well-rounded bushes, producing a wealth of dainty single blooms which are bright mahogany red, edged golden-yellow. Pkt., 20c.

6070 Lilliput Pastel Mixture. 15 in. A carefully chosen mixture of pastel tints of apricot, peach, creamy yellow, shell pink, delicate salmon, rose and orchid are included. They flower in 45 days. Pkt., 25c.

6050 Lilliput Tom Thumb Mixture. Plants grow only 4 to 6 inches tall, very compact growth covered with well-formed flowers of the Lilliput type. Colors range through red, orange, yellow, pink, rose and other pastel shades. Pkt., 15c.

6172 Navajo Mixed. 18 in. Flowers of medium size, double and semi-double, of long narrow petals, some incurved or fluted. Each petal is heavily tipped white, creamy white or yellow for bicolor effect. Colors run through lilac, lavender, russet, crimson, orange, yellow, pink. Pkt., 15c.

6160 Scabiosa Flowered Autumn Tints Mixed. Scabiosa-flowered Zinnias make good cut flowers. This strain comes true in all the gorgeous autumn tints, including orange to terra cotta. Pkt., 25c.

6030 "Spun Gold." 12 to 18 in. A delicately tinted butter-yellow, 2 to 3-inch double flower for cutting. This variety flowers in 45 days from sowing. Pkt., 25c.

CUPID TYPE

Compact plants about 1 ft. tall, of bushy habit. Each upright stem bears a flower 1 in. in diameter. A mass of color through the summer and fall. Ideal for cutting and for use in miniature vases.

6020 Tiny Tim. Glowing scarlet.

6021 Pixie. Bright yellow.

6022 Snowdrop. Pure clear white; good mixer. Each of the above, 15c.

CUPID ZINNIAS. Pkt., **15c.**

7131 **AQUILEGIA** Clematiflora. Mixed. Pkt., **50c.**

7258 **CAMPANULA** Collina. Pkt., **25c.**

7504 **SHASTA DAISIES** Giant Double. Pkt., **35c.**

Hardy Orange Marguerite

Culture: B, D or E

7112 Anthemis Sancta Johannis. Hardy perennial "seedling strain" that comes 80% true; a rich glowing orange Marguerite. Pkt., 25c.

Famous Irish Anemones

Culture: B (Feb. to July 15th), C (April-July), D or E (Mar.-July)

7076 Creagh Castle Strain. Of Irish origin. It belongs to the well known St. Brigid variety. Flowers are extremely large and of good range of color. Pkt., 50c.

Pink Armeria for Cutting

Culture: B, D or E

7206 Glory of Holland Giant Pink. A new and improved variety bearing clear, deep pink flowers of the size of a silver dollar on straight stems of 24 inches height, in large profusion all summer. Fine for cutting. Pkt., 25c.

New Blue Hardy Aster

Culture: B (Feb. to July 15th), D or E (Mar.-July)

7225A Rotundifolius. 6 in. The numerous flowers rise on wiry stems above the dark green leaves, which are rounded at the ends. The bright yellow discs are surrounded with ray florets of a fine forget-me-not blue. Planted in a sunny border or rock garden, they make a brave show all summer. Pkt., 50c.

Dwarf Growing Campanulas

Culture: B (Feb. to July 15th), D or E (Mar.-July)

7258 Collina. 8 in. Upright, compact, bushy habit, in May and June thickly covered with intense campanula blue pendant flowers. Excellent for edging and rockery as well as in larger spaces. Pkt., 25c.

7290 Medium Dwarf Bedding Mixed. A neat dwarf compact type about twenty inches high with glorious giant flowers of various colors. It is very floriferous and is ideal for spring bedding. Pkt., 25c. Biennial.

7372 Raineri. A very rare and beautiful species of dwarf and spreading habit. The blue flowers grow erect and cover the plant in June and July. 3 in. Pkt., 35c.

Spurless Strain of Columbines

Culture: B (Feb. to July 15th), C (April-July), D or E (Mar.-July)

7131 Clematiflora Choice Mixed. A cross between the Long Spurred Scott Elliott Strain and the common single one, practically fully true spurless. It is quite free-flowering, has up to 15 flowers on a plant at the same time, is a little less sturdy than the Scott Elliott strain; the flower size is as shown in the picture, whereas the colors are practically all there, except the deep red and scarlet. Pkt., 60 seeds, 50c.

Giant Double Coreopsis

Culture: B (Feb. to July 15th), D or E (Mar.-July)

7489 Grandiflora Double Sunburst. Much of the beauty of summer gardens is due to the brilliant golden-yellow of the Coreopsis. There is nothing that can take its place when yellows are so scarce. The flowers are double, 1½ to 2 in. across, excellent for cutting, as the flowers are fine keepers and the plants easy to grow. Comes about 80% double. Pkt., 25c.

Pacific Delphiniums, World's Best

Culture B (Mar.-Sept. 1st), D or E (Mar.-May)

7567 Giant Pacific Blue Shades. (Vetterle and Reinelt.) We strongly recommend this well fixed strain of giant blue delphiniums. Florets 2 inches wide are usual, on five foot stems, slender and wiry, standing without stakes. The flowering spikes taper, flowers well spaced, 80% in lovely tones of blue, and the plants are mildew resistant. Pkt., $1.00.

7568A Giant Pacific Double White. (Vetterle and Reinelt.) Flowers well spaced and of good texture with a branching habit of growth. Cheese cloth protection when blooming will keep the whiteness of flowers unmarred by dust or insects. Pkt., $1.00.

7563 Hybrids Art Shades. Many dainty and attractive colors. Pkt., 25c.

Hardy Cynoglossum

Culture: A, B, D, or E (March-April)

7499 Nervosum. 1-2 ft. A true perennial "Houndstongue." The flower is a real blue, resembling Anchusa Myosotidiflora. It blooms about 10 days after this Anchusa and a week before the biennial Cynoglossum. After flowering, growth of the long tongue-like leaves is vigorous, and they remain fresh and green thruout the hot weather. The plant seems to like full or moderate sun, and a rather heavy soil. By cutting the entire stems of the blossoms when they have faded, bloom may be continued to some degree at least until mid-August. Pkt., 25c.

Huge Double Shasta Daisies

Culture B (Feb. to July 15th), D or E (Mar.-July)

7504 Giant Double. The long stemmed flowers grow up to 6 inches in diameter, some perfectly double, some semi-double and a small percentage single. The petals are fringed, laciniated or slightly tubular, so that even the single flowers are of novel and pleasing effect. Pkt., 35c.

Dwarf Hardy Daisy

Culture: B, D or E.

7446 Chrysanthemum Maximum Dwarf Bouquet. 12-15 in. A new dwarf perennial that blooms from seed the first year. Forms a bouquet of pure white flowers with small centers, borne on non-branching stems. Pkt., 25c.

Dianthus as Much Improved

Culture: B (Feb. to July 15th), D or E (Feb.-April)

7581 Knappii. A yellow "hardy pink," unusual color for this family. Clusters of clear golden-yellow flowers appear above the grassy green foliage. Pkt., 25c.

7584 Highland Queen. The most brilliant perennial Dianthus in cultivation, bearing in profusion flowers of a lustrous scarlet-vermilion color. It is extremely hardy, continuing in bloom from the end of May until Nov. Pkt., 35c.

7631 Loveliness. Rightly named Loveliness, this new Dianthus will create a sensation amongst flower lovers everywhere. The flowers have large laciniated petals of a most exquisite mauve-pink, of delightful fragrance. Pkt. (25 seeds), 25c.

7589 Neglectus Rose Cushion. From a little cushion of grey-green foliage that is evergreen in character, hundreds of straight stems arise and in late May the flowers appear as if by magic. The color is pure pink, the flower about ¾ in. across and the plant about 3 to 4 in. tall. Pkt., 50c.

7632 Double Scotch Pinks. This mixture contains a great range of colors such as white, crimson, red and pink. There are distinct markings in all the blossoms. Length of stem varies from 10 to 16 inches. Flowers are very sweet; about 65 per cent of the flowers will be double. Pkt., 35c.

2251 Double Sweet Wivelsfield. The original single was a cross of the Dianthus Alwoodii and Sweet William. This has the same characteristics only the flowers are double. Very brilliant colors and some have a honey fragrance. Pkt., 25c.

Lovely New English Strain of Lupins

Culture: A or B (Mar.-July), D or E (Mar.-April)

In a sandy or light woods soil where water can be supplied, the lupins will thrive. Their tall spikes of bloom present a delightful variety of color blending from June to September. 2½ to 3 ft.

8171 "Russell." These remarkable lupins are the result of the continuous labour of many years. The spikes of bloom are often 3½ ft. and more in length. Flowers are fan shaped, the standard being expanded like that of a Sweet Pea. The coloring has an enormous range and unique character. Gold Medal award by the R.H.S. 12 seeds, 25c; 25 seeds, 50c.

Gaillardia

Culture: A (Mar.-July), B (Feb. to July 15th), D or E (Mar.-July)

7813 Grandiflora Bremen. A splendid novelty, coppery scarlet flowers, with yellow tips. Very effective for border and cutting. Pkt., 15c.

7817X Goblin. 12-15 in. This is the first really dwarf, compact variety especially suited to the rockery. The neat plants are closely covered with large showy, yellow bordered deep red flowers. It makes a good edging plant in perennial borders. If seed is sown by March or April, the plants will flower the same year. Pkt., 25c.

7815 —Maxima Aurea. Very large flowered perennial gaillardia with golden-yellow flowers with large red eye. Pkt., 15c.

Rosette Flowered Hollyhock

Culture: B, D or E.

8011 Allegheny Rosette. Large flowers of fine bright pink with rosette center and a wide row of guard petals. Pkt., 25c.

Hardy Garden Gloxinia (Incarvillea)

Culture: B (Feb. to July 15th), C (Oct.-March)

8084 Bee's Pink. Large light rose Begonia-like flowers with deep yellow throat, produced all summer. A hardy perennial which succeeds well in borders and is equally valuable for green house decoration. Pkt., 50c.

Iceland Poppy for Hot Summers

Culture: B (Feb. to July 15th), D or E (Mar.-July)

8281 Amurense Yellow Wonder. A new strain flowering later, but resisting heat and drought much better than others, thus more adapted to American summers. Large flowers of buttercup yellow are freely produced on stems 25 inches long. Foliage is glaucous, covered with short hairs. A showy garden subject and fine for cut flowers. Pkt., 25c.

New Primula Selections

Culture: B (Mar.-July), C (Oct.-Mar.)

These hardy Primroses are among our most delightful spring flowers. They require a partially shaded location.

8419 Veris Kleynii. Heavy stems, average length 8 to 12 inches, carrying immense heads of 15 to 25 florets, each floret 1 to 1½ in. in diameter, rich golden yellow shaded apricot towards center. Plants average 6 flower spikes each. Perfectly hardy anywhere in U. S. A. Pkt. (50 seeds), 50c.

8421 —Grandiflora Red Shades. Various shades of red in an attractive variety. Pkt. (60 seeds), 50c.

8422 —Elatior Gigantea. This is a selection made by a specialist over a long period of years. The flower spikes are 8 to 10 in. long, average ½ in. in width. The individual flowers are very large and are of pure white, dark red, pure yellow, pink and lilac and violet shadings. Pkt. (50 seeds), 50c.

Single and Double Pyrethrums

Culture: B (Feb. to July 15th), D or E (Mar.-July)

These large flowers, well named "painted daisies," blossom with the tall iris and continue through June. A second crop will come if the first growth is cut back. They are easily grown from seed. 1 to 2 ft. All listed are perennial.

8431 Grandiflorum Roseum. Immense blooms, true deep rose and of very good substance. Pkt., 50c.

8432 Grandiflorum Rubrum. This is a variety of true grandiflorum type, bearing the flowers on strong, stiff stems. The color is a shade between deep rose and atrosanguineum and might best be described as deep ruby-red. Pkt , 50c.

8435A Grandiflorum Album. Pure white and of true giant type. Pkt., 50c.

DOUBLE

The Double Pyrethrum or French Marguerite is one of the earliest and most reliable border plants for providing long-stemmed flowers admirably adapted for cutting. It flowers in May and June and will bloom in July from seed sown in early March. Comes about 60% to 70% true double; balance will be semi-double and fine single sorts.

8432B Double Pink. Pkt., 35c. **8434 Double White.** Pkt , 50c.

8434A Double Salmon. Pkt., 35c.

8438 Robinson's Hybrids. A selection made by an English specialist, with a fine color range of single overlapping petals carried on long stiff stems. Pkt., 25c.

8171 **LUPINUS** Polyphyllus Russell. Pkt. (12 seeds), **25c.**

Named Oriental Poppies

Culture: B, D or E.

8313 New Named Varieties. Seed collected from the field of the newer named sorts, and should furnish many attractive additions in the garden. Pkt., 25c.

Rudbeckias Resembling Gerberas

Culture: B, D or E.

8465 Herbstwald Autumn Tints. 2 ft. A perennial which blooms the first year from seed sown in March, furnishes admirable cut flowers until late fall. Large starflowers of fiery autumn coloring resembling gerberas are borne on long ivory stems. They prefer a sunny location and are called "Gerberas of the North." Pkt., 25c.

Giant Hardy Scabiosas

Culture: B (Feb. to July 15th), D or E (Mar.-July)

8494A Caucasica Vaughan's Special Mixture. Large fringed and ruffled flowers of the perennial varieties in shades of blue, from lavender to dark blue and some pure white, on long stems. Pkt., 25c.

8496 Fischeri. 2½ ft. Of Manchurian origin, easy to grow, and a long lived perennial. Flower is 2½ inches across, of beautiful blue-purple. Flowering stems clothed with finely-cut foliage up to a foot or more, ending in a long, clean stem useful for cutting. Pkt., 25c.

Gay Mixture of Violas

Culture: Pansy Culture or A-B (Mar.-April)

5795 Nosegay. A blend of bright gay colors, red, yellow, blue and apricot, combined with many blotched combinations. Pkt., 25c.

New Dwarf Sweet William

Culture: B (Feb. to July 15th), D or E (Mar.-July)

7688 Midget. Single Mixed. 6 in. Though small, it is extremely lovely, making a compact spread of a foot or more. When in bloom, the foliage is completely hidden by flowers. There are many showy and rich colors. Pkt., 25c.

7716 Superb Mixture of New Colors. One of the most satisfactory perennials. Seed germinates readily and the second year a bed of them will be a mass of bloom in new and interesting colors. Pkt., 25c.

Vaughan's Bent and other Fancy Grass Seeds

FANCY KENTUCKY BLUE GRASS (Poa pratensis)

Extra Fancy Sun-Cured Seed. Specially recleaned. Extra heavy. Price, ½ lb., 25c; 1 lb., 40c; 2 lbs., 80c; 3 lbs., $1.20; 5 lbs., $1.95; 10 lbs., $3.75; 15 lbs., $5.50; 20 lbs., $7.00; 25 lbs., $8.25; 50 lbs., $14.00.

Fancy Seed, actual weight, 21 lbs. per bu. (Standard grade of recleaned blue grass.) Price, ½ lb., 20c; 1 lb., 35c; 2 lbs., 70c; 3 lbs., $1.00; 5 lbs., $1.15; 10 lbs., $3.15; 15 lbs., $4.60; 20 lbs., $5.90; 25 lbs., $6.90; 50 lbs., $11.50.

WHITE CLOVER

Extra Fancy Seed. Price, ¼ lb., 20c; ½ lb., 35c; 1 lb., 60c; 2 lbs., $1.20; 3 lbs., $1.75; 5 lbs., $2.85; 10 lbs., $5.50; 15 lbs., $7.95; 20 lbs., $10.25; 25 lbs., $12.50.

RED TOP GRASS (Agrostis alba)

Extra Fancy recleaned solid seed (32 lbs. per bu.). Price, ½ lb., 20c; 1 lb., 35c; 2 lbs., 70c; 3 lbs., $1.00; 5 lbs., $1.65; 10 lbs., $3.15; 15 lbs., $4.60; 20 lbs., $5.90; 25 lbs., $6.90; 50 lbs., $11.50.

CREEPING BENT STOLONS

Produce a fine turf in one season but must have several top dressings a year and frequent mowing. For $16.00 we will send you enough to plant 1,000 square feet. 500 sq. ft. for $9.25; 250 sq. ft. for $5.25. Transportation charges extra. A leaflet about Creeping Bent will be sent upon request. Plant during May or June, or latter part of August to the latter part of September.

VAUGHAN'S BENT GRASSES

For lawns the Bent grass seed is preferred to the creeping Bent stolons because these types of Bent do not grow so rapidly and do not require so much cutting and top dressing. Seed at the rate of 3 to 4 lbs. per 1000 sq. ft.

Astoria Bent Grass. This grass has creeping roots and makes a splendid lawn and golf grass. Requires less care than the aggressive surface creepers. Price, ¼ lb., 45c; ½ lb., 85c; 1 lb., $1.60; 2 lbs., $3.20; 3 lbs., $4.65; 5 lbs., $7.60; 10 lbs., $14.75; 15 lbs., $21.75; 20 lbs., $28.60; 25 lbs., $35.00. 3 lbs. per 1000 sq. ft.

European Mixed Bent (so-called "Creeping Bent") is a natural mixture of Bents including true Creeping Bent, Velvet Bent, and a large percentage of Colonial Bent. Seed 3 to 4 lbs. per 1000 sq. ft. Price, ¼ lb., 45c; ½ lb., 85c; 1 lb., $1.55; 2 lbs., $3.10; 3 lbs., $4.50; 5 lbs., $7.35; 10 lbs., $14.25; 15 lbs., $21.00; 20 lbs., $27.60; 25 lbs., $33.75.

Colonial Bent Grass makes a fine close turf of excellent color. Not a surface creeper. Price, ¼ lb., 40c; ½ lb., 80c; 1 lb., $1.50; 2 lbs., $3.00; 3 lbs., $4.35; 5 lbs., $7.10; 10 lbs., $13.75; 15 lbs., $20.25; 20 lbs., $26.60; 25 lbs., $32.50.

Seaside Creeping Bent Grass. This is a true unmixed Creeping Bent grass seed. This Bent does not require as many top dressings as the Bent grown from stolons. Price, ¼ lb., 45c; ½ lb., 85c; 1 lb., $1.55; 2 lbs., $3.10; 3 lbs., $4.50; 5 lbs., $7.35; 10 lbs., $14.25; 15 lbs., $21.00; 20 lbs., $27.60; 25 lbs., $33.75.

Let us help you solve your lawn and golf grass problems. Advice gladly given on handling fertilizer problems, and combating insect and disease attacks.

Poa Species

OF THE BLUE GRASS FAMILY

Rough Stalked Meadow Grass (Poa trivialis). A fine shade grass in the Northern half of the United States if it can have enough moisture. This grass is a perennial and a creeper. Sow in Fall or Spring at rate of 1 lb. to every 300 sq. ft. Price, 1 lb., 55c; 2 lbs., $1.10; 3 lbs., $1.65; 5 lbs., $2.65; 10 lbs., $5.25; 15 lbs., $7.85; 20 lbs., $10.25; 25 lbs., $12.50; 50 lbs., $22.50.

Wood Meadow Grass (Poa nemoralis). Used as a shade grass in the Northern half of the United States. A good shade grass that grows well in rather dry soils. Sow in Fall or Spring, 1 lb. to every 300 sq. ft. Price, 1 lb., $1.00; 2 lbs., $2.00; 3 lbs., $2.95; 5 lbs., $4.75; 10 lbs., $9.00; 25 lbs., $22.00.

Poa Annua. An annual blue grass that reseeds itself. This grass does not grow very tall. Price, ½ lb., 50c; 1 lb., 95c; 2 lbs., $1.90; 3 lbs., $2.80; 5 lbs., $4.60; 10 lbs., $9.00.

Canada Blue Grass (Poa compressa). Particularly valuable grass on poor soils and clay. It does not make so dense a growth as the Kentucky Blue Grass, and the color is not so pleasing. Used only on the poorer soils, particularly for pastures. Sow 40 to 60 lbs. per acre for pasture; 135 to 145 lbs. per acre for lawns, in Fall or Spring. Price, 1 lb., 40c; 2 lbs., 80c; 3 lbs., $1.10; 5 lbs., $1.75; 10 lbs., $3.25; 25 lbs., $7.50; 50 lbs., $13.50.

Miscellaneous

Orchard Grass (Dactylis glomerata). A very hardy grass, invaluable for pasture mixtures. Ready to cut for hay before Timothy. Not adapted to wet soils. It should not be used in lawn mixtures as it is too coarse and tufted. Sow in Spring, 25 to 30 lbs. per acre. Price, 1 lb., 35c; 2 lbs., 70c; 3 lbs., 90c; 5 lbs., $1.35; 10 lbs., $2.50; 25 lbs., $5.75; 50 lbs., $10.50.

Awnless Brome Grass (Bromus inermis). Very strong, quick growth, making two crops of very abundant pasture. It prevents washing on the banks of streams. Good in very sandy soils because of its strong spreading root system. Not a lawn grass. Sow in the Spring, 2 bushels per acre (14 lbs. to bushel). Price, 1 lb., 40c; 2 lbs., 80c; 3 lbs., $1.10; 5 lbs., $1.75; 10 lbs., $3.25; 25 lbs., $7.50; 50 lbs., $13.50.

Timothy (Phleum pratense). Most popular of all hay grasses. Vaughan's Fancy seed (99.5% pure or better). Price, 1 lb., 25c; 2 lbs., 40c; 3 lbs., 55c; 5 lbs., 70c; 10 lbs., $1.10; 1 bu., $3.25 (45 lbs.); 100 lbs., $6.50. **Timothy not prepaid** in lots of 1 bushel and over. Grain bags, 30c each extra.

Rye Grasses

English or Perennial Rye Grass (Lolium perenne). Good for pastures. Moist and rich clays or loams are best suited to it; very quick to start. Also a lawn grass where quick results are wanted. Sow in Spring or Fall, 30 to 40 lbs. per acre for pasture. Price, 1 lb., 30c; 2 lbs., 60c; 3 lbs., 85c; 5 lbs., $1.35; 10 lbs., $2.50; 15 lbs., $3.65; 20 lbs., $4.75; 25 lbs., $5.75; 50 lbs., $10.75; 100 lbs., $20.00.

Pacey's English or Short Seeded Rye Grass. The seed is smaller than the standard variety. A somewhat finer grass. Price, 1 lb., 35c; 2 lbs., 70c; 3 lbs., $1.00; 5 lbs., $1.60; 10 lbs., $3.00; 15 lbs., $4.35; 20 lbs., $5.40; 25 lbs., $6.50; 50 lbs., $12.00; 100 lbs., $22.50.

Italian Rye Grass (Lolium italicum). Produces good hay and pasturage. Desirable in temporary pastures. Almost an annual, generally lasting a second year, however. Develops rapidly. Used in the South for winter lawn grass. Sow in October in the South, Spring or Fall in the North, 30 to 40 lbs. per acre for pasture; 4 to 7 lbs. per 1,000 sq. ft. on lawns. Price, 1 lb., 30c; 2 lbs., 60c; 3 lbs., 85c; 5 lbs., $1.35; 10 lbs., $2.50; 15 lbs., $3.65; 20 lbs., $4.75; 25 lbs., $5.75; 50 lbs., $10.75; 100 lbs., $20.00.

Domestic Rye Grass. A natural mixture of the English and Italian types of rye grass, grown in this country. Price, 1 lb., 25c; 2 lbs., 50c; 3 lbs., 70c; 5 lbs., $1.10; 10 lbs., $2.00; 15 lbs., $2.90; 20 lbs., $3.50; 25 lbs., $4.00; 50 lbs., $7.00.

GOLF

We have a golf department prepared to give expert service. Let us quote on your requirements.

We invite especially inquiries for grass seeds in quantity.

Fertilizers are Needed to Make Lawns Grow

Fine lawn grasses require rich soil in which to do their best. When properly fed they will grow so luxuriantly as to crowd out weeds. Grass which is constantly cut makes a heavy drain on the food content of soil, and unless this is annually renewed, a lawn will deteriorate. On page 105 are listed fertilizers of all types which are recommended for lawns. Our free booklet, "Your Lawn", gives definite instructions on the use of fertilizers.

Nu Green

A grass disinfectant for brown patch prevention and control. 3 oz. tin, 35c; lb., $1.45; 5 lbs., $6.30; 25 lb. pail, $29.00; 100 lb. drum, $115.00. Write us for booklet.

Fescues

Chewing's Fescue (New Zealand Grown). Similar to the creeping red fescue of Europe and is much used on golf courses. This grass is valuable on sandy soils as it is very drought-resistant. It also does well in the shade. Chewing's Fescue is a perennial with a fine blade and a spreading root system. Sow either Spring or Fall, preferably the last week in August or the first week in September, at the rate of 5 lbs. to 1,000 sq. ft. Price, 1 lb., 60c; 2 lbs., $1.20; 3 lbs., $1.80; 5 lbs., $2.90; 10 lbs., $5.75; 15 lbs., $8.60; 20 lbs., $11.25; 25 lbs., $13.75; 50 lbs., $25.00.

Slender Fescue or Fine-Leaved Sheep's Fescue (Festuca tenuifolia). A low growing perennial that makes a good grass to sow between stepping stones. Does well on dry and inferior soils as well as in shady places. Sow in Fall or Spring, 1 lb. to 200 sq. ft. Price, 1 lb., $1.00; 2 lbs., $2.00; 3 lbs., $2.95; 5 lbs., $4.75; 10 lbs., $9.00.

Sheep's Fescue (Festuca ovina). Much used for the "rough" on golf courses. Ask for prices.

English Blue Grass or Meadow Fescue (Festuca elatior pratensis). Grows quickly and has broad blade. Should be sown with other grasses. Particularly a pasture grass. Sow in Fall or Spring, 30 to 50 lbs. per acre. Price, 1 lb., 25c; 2 lbs., 50c; 3 lbs., 70c; 5 lbs., $1.00; 10 lbs., $1.90; 25 lbs., $4.35; 100 lbs., $14.50.

FOR SOUTHERN LAWNS

Bermuda Grass (Cynodon dactylon). The grass for Southern lawns and pastures; hard to kill; resists drought. Should be planted for permanency only in the South; winter kills in the North. Sow in Spring, 100 lbs. per acre for lawns (30 lbs. to bushel). Price, 1 lb., 45c; 2 lbs., 90c; 3 lbs., $1.30; 5 lbs., $2.15; 10 lbs., $4.25; 25 lbs., $9.75; 50 lbs., $18.50; 100 lbs., $35.00.

Winter Grass. For a winter grass in the South use rye grass or red top.

SPECIAL LIST OF FIELD SEEDS

We carry a complete list of clover and other farm and field seeds of the highest quality. A laboratory report of purity and germination sent with every lot. A special price list will be sent upon application, or we will quote specially upon your exact needs. Address:

Field Seed Department
VAUGHAN'S SEED STORE
601 W. Jackson Blvd., Chicago, Ill.

Vaughan's Famous

Chicago Parks Lawn Seed

Prices Lower

1 lb. 40c; 5 lbs., $1.95; 25 lbs., $8.75.
Prepaid Anywhere in U. S. A.

"Better Lawns with Seeds from Vaughan's"

WE recommend our lawn mixtures, composed of suitable varieties of grass seed, because results are more satisfactory from a correct combination of grasses than from a variety sown alone. Our grass seed division has long been known as an authority on growing fine turf, and for the guidance of our customers we send our booklet on lawn-making upon request and without charge.

For Your Protection—Always remember that we neither buy nor sell seeds that are not tested in our own officially recognized laboratory for purity, germination and identity.

Quality versus Price. Our constant aim has been to harmonize our never changing superior qualities of seed with such reasonable and fair prices as will be entirely satisfactory to our customers. In this respect we have every reason to believe we have been successful. Because of large crops this past fall prices are somewhat lower than last year, and we are pleased to say the qualities of our seeds are particularly fine.

Vaughan's "Chicago Parks" Lawn Seed

For the Lawn Beautiful, Permanent, Practical

We unreservedly recommend Vaughan's Chicago Parks Lawn Seed wherever a lawn is desired which combines the maximum of beauty and durability with a minimum of expense and care. This splendid formula remains the universal favorite.

The basis of VAUGHAN'S "CHICAGO PARKS" lawn seed is a large amount of the finest Kentucky blue grass, which is combined with other suitable grasses in the proper proportions to produce a fine permanent turf. Needless to say it does not contain timothy, which is a hay grass and does not belong in a lawn; none of Vaughan's formulas include this unsuitable grass.

Price, ½ lb., 25c; 1 lb., 40c; 2 lbs., 80c; 3 lbs., $1.20; 5 lbs., $1.95; 10 lbs., $3.75; 15 lbs., $5.50; 20 lbs., $7.25; 25 lbs., $8.75; 100 lbs., $30.00.

We offer this mixture without clover under the name "Vaughan's Fairway Formula"—Prices same as "Chicago Parks."

Vaughan's "Columbian"

Formula for Shady Lawns or Sandy Soil

When making a lawn on sandy soil or in partial shade, conditions are met which require the use of a special grass seed blend. Vaughan's "Columbian" is the correct blend for such locations.

Price, ½ lb., 25c; 1 lb., 45c; 2 lbs., 90c; 3 lbs., $1.35; 5 lbs., $2.20; 10 lbs., $4.25; 15 lbs., $6.25; 20 lbs., $8.25; 25 lbs., $10.00; 100 lbs., $35.00.

Vaughan's Dense Shade Formula

An exceptional formula chiefly composed of imported grasses. It is particularly adapted to heavily shaded areas and will also do well in lighter shade. We have spared no care or expense to make this lawn seed the best obtainable for the purpose. Follow instructions in our lawn booklet for growing grass in the shade. Does not contain clover.

Price, ½ lb., 35c; 1 lb., 65c; 2 lbs., $1.30; 3 lbs., $1.95; 5 lbs., $3.20; 10 lbs., $6.25; 15 lbs., $9.25; 20 lbs., $12.25; 25 lbs., $15.00; 100 lbs., $55.00.

VAUGHAN'S No. 25 LAWN FORMULA

An economy blend for new seedings and quick results which should be followed by reseeding with a more permanent blend like our "Chicago Parks." In spite of its low price, this blend does not contain timothy. Sow at the rate of 1 lb. to every 200 sq. ft. Begin cutting when grass is 3 to 4 inches high and continue to cut regularly to keep turf fine. Price, 1 lb., 25c; 2 lbs., 50c; 3 lbs., 70c; 5 lbs., $1.00; 10 lbs., $1.90; 15 lbs., $2.85; 20 lbs., $3.75; 25 lbs., $4.50; 100 lbs., $17.00.

Vaughan's "Private Estate" Bent Formula

FOR LAWNS "DE LUXE"

The unexcelled beauty and velvet smoothness of creeping bent putting greens has caused a demand for a lawn mixture which contains seeds of the bent grasses.

For those who are interested in bent grass we highly recommend our Private Estate formula, as it will require less mowing and less attention than pure bent grass lawns.

Private Estate formula produces a fine, heavy turf, which with proper care will constantly improve. This mixture does not contain clover.

Price, 1 lb., 65c; 2 lbs., $1.30; 3 lbs., $1.95; 5 lbs., $3.20; 10 lbs., $6.25; 15 lbs., $9.25; 20 lbs., $12.25; 25 lbs., $15.00; 100 lbs., $55.00.

Quantity to Use—On new lawns, use 1 lb. for every 300 square feet; 5 lbs. for 1500 square feet; 135 to 150 lbs. for one acre. To replenish lawns where turf is thin, use half quantity.

VAUGHAN'S TERRACE FORMULA

A combination of grasses that root quickly and form a good turf under conditions met on terraces. After seeding terrace, rake in the seed thoroughly and if possible add a quarter of an inch top dressing of good black soil to provide a good cover for the seed. Then roll thoroughly or compact the soil with the back of the spade. Seed Vaughan's Terrace Formula at the rate of 1 lb. to every 250 sq. ft. If slope is very steep, seed 1 lb. of oats to every 100 sq. feet with the lawn seed and proceed as directed above. Begin mowing as soon as the oats are high enough to cut, and keep cut. Price, 1 lb., 55c; 2 lbs., $1.10; 3 lbs., $1.65; 5 lbs., $2.65; 10 lbs., $5.25; 15 lbs., $7.85; 20 lbs., $10.25; 25 lbs., $12.50; 100 lbs., $45.00.

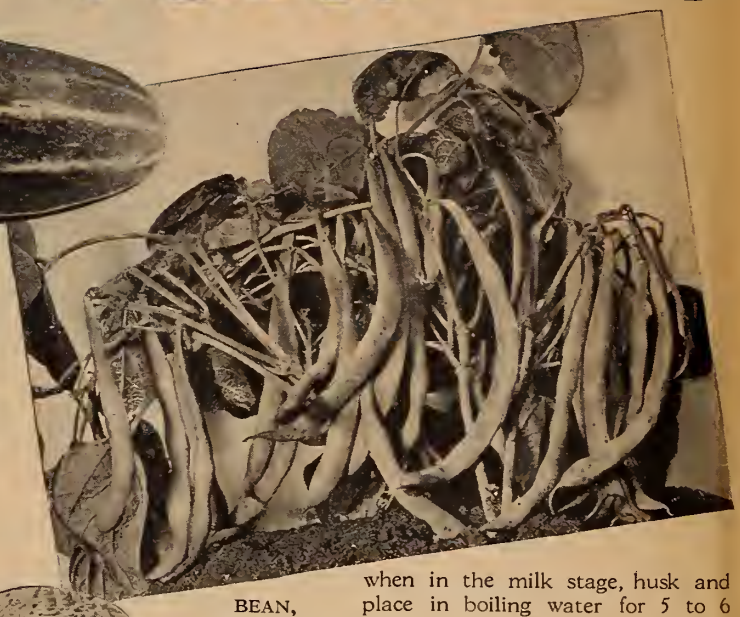
On Parcel Post C. O. D. Orders there is a postal charge for C. O. D. delivery.

What's New in

CUCUMBER, COLORADO A & C. Pkt., 15c.

Giant Bean — The Prince

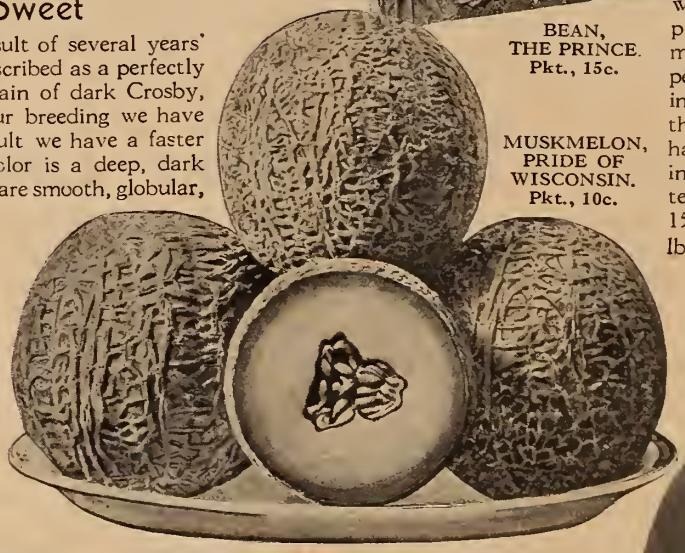
PODS 8 to 10 inches long, longer than any other bush bean we know, are commonly produced by this variety, which is an English development. It is a favorite with estate gardeners, for growing exhibition specimens, and can be recommended to all amateurs seeking awards at flower shows. Table quality is excellent, leaves dark, plants dwarf, bushy and productive. Pods are thick and fleshy, tender, but not stringless when mature. Pkt., 15c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 3 lbs., $1.00; 5 lbs., $1.50.



BEAN, THE PRINCE. Pkt., 15c.

Beet — Tender Sweet

THIS striking new beet is the result of several years' breeding work. It can best be described as a perfectly round, fast growing, dark fleshed strain of dark Crosby, from which it was developed. In our breeding we have put earliness next to color. As a result we have a faster growing, earlier maturing strain. Color is a deep, dark red all through without zoning. Roots are smooth, globular, uniform shape and size, with slender tap roots. Tops are medium, just right for bunching. Pkt., 15c; oz., 25c; ¼ lb., 65c.



MUSKMELON, PRIDE OF WISCONSIN. Pkt., 10c.

Carrot — Table Queen

IN shape very similar to Nantes half long. In color a very rich yellow, both inside and out. Heart a true coreless. Quality brittle, tender, sweet, having sufficient top to make it a good bunching type. Smooth slender stump rooted, excellent for home garden or market use. Pkt., 15c; oz., 30c; ¼ lb., 90c.

Cucumber — Colorado A & C

A BEAUTIFULLY long, slender, dark green cucumber commanding a premium on the critical market, exceedingly popular because of excellent shape and intense dark color which is maintained longer than in any other variety. Fruit is inclined to taper, especially at stem end, but is vigorous, productive, resistant to unfavorable growing conditions. Seeds form late in season and are few. Pkt., 15c; oz., 25c; ¼ lb., 75c.

Sweet Corn

FLAVOR has long been the prime factor in sweet corn and thus the reason for the garden fancier preferring Golden Bantam. Strains have been developed having the flavor of Golden Bantam and yielding twenty to forty percent more. They are known as Top Crosses or Hybrids and they are about five days later to come to picking stage than their parents. In sequence of maturing they are: Sweet Cross, Marcross, Bancross and Golden Cross. If planted at the same time they will give you sweet corn on the table for five to six weeks as choice as possible to produce. Our Golden Cross strain is especially sweet and tender. To enjoy real corn, gather it when in the milk stage, husk and place in boiling water for 5 to 6 minutes and serve hot. Do not permit corn to stand long after picking. Not only have we held flavor in these top crosses and hybrids, but we have increased yield from 20 to 40% in number of ears and obtained a better filled ear. Either top cross: Pkt., 15c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 3 lbs., $1.00; 5 lbs., $1.50; 10 lbs., $2.75.

ONION, SWEET SPANISH. Pkt., 15c.

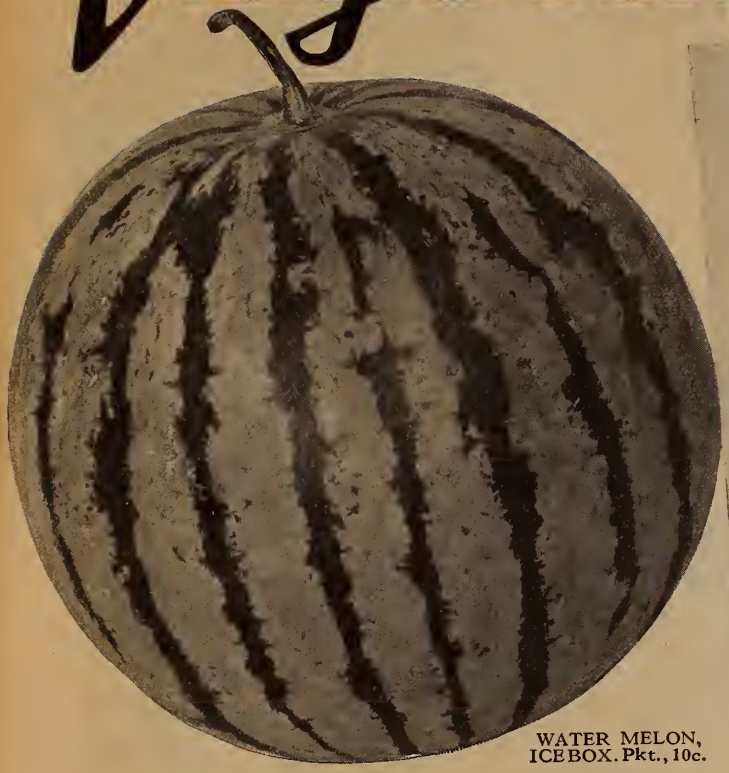
Muskmelon — Pride of Wisconsin

THIS is a melon of which we do not know the origin, but is an improved Honey Rock type. In shape, skin-color and netting it is the same. The flesh is much improved, thicker with smaller seed cavity. This is so desirable an improvement it should supplant the Honey Rock. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Muskmelon — Golden Oblong

HERE is another melon with the outer appearance of Honey Rock but flesh which is much superior. The fruit is 10 inches long by six inches in diameter, tapering at the ends. The flesh is two inches thick and it has a small, well filled seed capacity. The flavor is superior to Honey Rock, flesh color is the same. As this is a new melon it is not entirely set in shape as a number will appear of the round type. You will, however, find the quality improved and much better flesh than in the old type of Honey Rock. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Vegetables . . . .



WATER MELON, ICE BOX. Pkt., 10c.

SQUASH, BUTTER CUP. Pkt., 15c.

PEPPER, "WINDSOR A." Pkt., 20c.

Onion — Sweet Spanish

OUR strain of Sweet Spanish onion has been developed by years of selection in this country, and can be recommended as an excellent keeping type as well as a very large growing strain. The flavor is excellent, crisp, mild and juicy. You may use these for green bunch onions or for mature winter use. Shrinkage will be about twice that of the Southport type, but they will grow twice as large and are not troubled as much by thrip. Pkt., 15c; oz., 35c; ¼ lb., $1.00.

Pepper—"Windsor A"

THIS is a production of the Connecticut Agricultural College and is similar in structure to California Wonder. It is 5 inches long, one and one half to two inches at the shoulder and one to three points, more often one. The walls are very thick and it is especially sweet flavored. Much more productive than California Wonder and earlier. Pkt., 20c; ½ oz., 40c; oz., 75c.

Spinach — Improved King of Denmark

THIS is a new strain of the very popular one that we first introduced under the name of Antvorskov. The improved strain has a shorter petiole, a closer head, and a much darker leaf, which continues to be smooth. We are sure you will like it better. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c.

Squash — Buttercup

THE appearance of this variety does not do justice to its quality, which has no equal. The seeds are centered in and near the protrusion at the blossom end and the rest of the interior is heavy flesh. This is a winter squash and an excellent keeper. Free from string, mealy sweet and of the finest Sweet Potato flavor. We recommend it as our best. Pkt., 15c; oz., 30c; ¼ lb., 75c.

Squash — Golden Table Queen

THIS is the same as Table Queen or Des Moines, with the exception of its color, which is a rich golden yellow. Pkt., 15c; oz., 25c; ¼ lb., 65c.

Resistant Tomatoes

PRITCHARD, Early Baltimore and Rutgers are the best strains for use in the central west. They are resistant to tomato wilt, a disease that is each year becoming more prevalent. The Early Baltimore and Pritchard are of about the same earliness, while the Rutgers is a midseason following the two former mentioned. They are all prolific and firm fruited, with Rutgers the firmest. All ripen from the inside out and remain in ripe condition for several days before getting soft. They are globe shape, but not too deep and the color is excellent in each case.

Price above varieties: Pkt., 15c; ½ oz., 35c; oz., 60c; ¼ lb., $1.60.

Water Melon — Ice Box

IT is not desirable to have a melon that will go in the ice box without having to be cut. If you are not ready to serve, it can remain several days, where if cut it must be used or spoil. This round melon is about six inches in diameter, striped, has a thin hard rind and flesh of deep pink with few small black seeds. Nothing looks more appealing than a deep pink fleshed melon with black seeds just out of the ice box. It is early, hardy and of excellent flavor. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Artichokes

THE Artichoke is grown for its edible blossoms. It is a perennial but will not stand freezing. It requires renewing every two or three years. The Jerusalem Artichoke, so called, belongs to a different family.

GREEN GLOBE. Perennial, large-flowering heads. Matures second year; not hardy in the north. Pkt., 10c; oz. 50c.

JERUSALEM ARTICHOKE ROOTS. Five bushels plant an acre, enough to keep 20 to 30 hogs from Oct. to April. Cut and plant like potatoes. In Europe the tubers are baked, like potatoes, and esteemed as food because of their distinctive flavor. They grow in a wild form in the United States. Tubers can be supplied in March and April. Lb., 25c; 3 lbs., 50c; 10 lbs., $1.25. Write for quantity prices.

Asparagus

ASPARAGUS from the home garden is one of the most delicious and earliest of crops. It may be grown in any deep, rich soil, either from seed or roots.

SEED PLANTING—Asparagus may be raised from seed and a crop obtained in three years. In early spring sow the seed, after soaking it twenty-four hours in warm water, in drills about one foot apart and one inch deep. The following spring, select the best of the roots and place in the permanent bed. One ounce of seed will sow 100 feet of row, producing 300 plants.

ROOT PLANTING—A year may be saved by buying the plants and setting them two feet apart in the row, and the rows four feet apart. Plant in a trench 12 inches deep, at the bottom of which is 2 inches of well rotted manure. Add 5 lbs. of a balanced plant food to each 100 feet, well mixed with soil. Cover roots 3 inches deep and add more soil as they grow until the ground is level.

WHITE ASPARAGUS. White Asparagus may be grown from the same variety as green. It is merely a method of growing. The stalks are hilled with earth and cut underneath the ground before exposure to the light has turned them green.

WASHINGTON RUST-RESISTANT STRAIN. Developed by the experts of the United States Department of Agriculture, which originated this strain. Rustproof plants are preferred by commercial growers. Since the differences between varieties of asparagus are not great, given the same soil and cultivation, freedom from disease is of dominant importance. The most satisfactory strain is MARY WASHINGTON.

MARY WASHINGTON stock is so far the most satisfactory of the two strains. It is the result of a single cross. Pkt., 10c; oz., 15c; ¼ lb., 40c.

BONVALLET'S GIANT. Equally good grown white or green. Usually it produces a crop a year in advance of other sorts. Pkt., 10c; oz., 15c; ¼ lb., 35c.

ASPARAGUS ROOTS

	1-Year Old			2-Year Old		
	Doz.	100	1000	Doz.	100	1000
Mary Washington	.50	2.25	15.00	.60	2.50	16.00

If by mail add postage as follows.....100, 50c.

★

Varieties designated by a star as illustrated above are recommended as of especially fine strains and suited to the home garden.

Bean Cultural Notes

Beans are very tender. The seeds must be sown where they are to grow when frost has ended and the ground is warm. Stringless Red Valentine and Stringless Black Valentine are best for planting in cold soil. Sow in rows about fiftcen inches apart, and thin the plants to about four inches apart in the row. Keep the surface soil soft and the rows free from weeds. Do not cultivate when the plants are in bloom, as it prevents the flowers from setting pods; and cultivating when the vines are wet with dew spreads the anthracnose, the chief disease of beans.

Beans will germinate better and grow more vigorously if inoculated with "Nitragin," see page 105.

Quantity needed to sow: 30 feet, 1 packet; 150 feet, 1 ounce.

Hand Picked Beans from Our Own Farms

Roguing Beans on Our Michigan Farms.

QUALITY in beans is measured by stringlessness; by tenderness, or the absence of fibre, or "linen" in the pod; by ability to produce well; and by the pod, a long, straight pod being preferred. Fine strains of good varieties excel inferior strains in all these qualities, the difference between strains often being as great as the difference between varieties.

BOUNTIFUL STRINGLESS BEANS. Pkt., 10c.

Our beans are grown on our own farms, or by expert growers under contracts which require that methods shall be used which involve increased expense but result in greatly improved quality. After the harvest our beans are hand-picked, to discard all seeds which do not conform to the ideal type. The improvement in your crop far outweighs the increased cost.

Both green and wax beans are grown by the same methods. Choice between them is a matter of taste. Round pod types are sometimes considered to be more brittle, and flat pod types to yield more heavily.

★**Bountiful Stringless.** Ready to pick in about 48 days. Of the heavy yielding, flat pod type, our strain of this variety is finest. One of the earliest, it produces straight pods of a clear rich green, 7 inches long, half an inch wide, completely stringless, tender and brittle. It has a long season of bearing. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs. 75c; 5 lbs., $1.15; 10 lbs., $2.00.

★**Stringless Green Pod.** Ready to pick in about 50 days. The leading round pod variety. The pods are a rich deep green, round, 5½ inches long, completely stringless and free from fibre. The plants are large and yield heavily. Sow every two weeks for succession crops. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., $1.15; 10 lbs., $2.00.

★**Tendergreen.** 52 days. A main crop variety of the stringless round pod type, with tall vines which carry their pods free of the ground. A heavy yielder, bearing long pods, fleshy and of excellent flavor. It is an improvement on Full Measure, which we are dropping from our list; and we recommend it for both home and market. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., $1.15; 10 lbs., $2.00.

GIANT STRINGLESS GREEN POD. 53 days. Later than Stringless Green Pod, which it equals in quality, it has longer, thicker and straighter round pods, of excellent quality. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., $1.15; 10 lbs., $2.00.

BLACK VALENTINE STRINGLESS. 48 days. An improved selection of the old Black Valentine, which is stringless, and yet retains the valuable quality of the older type of being immune to damage by light frosts, and therefore safe to plant at the earliest date. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 70c; 5 lbs., $1.15; 10 lbs., $2.00.

Improved germination and vigor of growth in beans is produced by inoculating the seeds with "Nitragin." Garden size, 10c and 25c.

★**The Prince.** 50 days. A wonderful exhibition variety. It is a dwarf bush bean, very dark color, vigorous and productive, bearing beans eight to ten inches long, thick and fleshy. Their dark color, extra size and fine flavor commend them to the home garden. Not stringless when mature. Pkt., 15c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 3 lbs., $1.00; 5 lbs., $1.50.

RED VALENTINE STRINGLESS. 52 days. Hardiest of beans, germinating in cold ground where others would rot, and resisting light frosts. Round fleshy pods, vines 15 inches. This is a selection for stringlessness of the older type. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., $1.15; 10 lbs., $2.00.

FIELD BEANS

GREAT NORTHERN. 90 days. A little larger than the Navy Bean, it is hardier and a much heavier yielder. For cooking many give it preference, saying it is more tender and digestible. Pkt., 10c; lb., 25c; 2 lbs., 40c; 5 lbs., 65c; 10 lbs., $1.00.

IMPROVED NAVY. 85 days. Fine field sort. Lb., 25c; 2 lbs., 40c; 5 lbs., 65c; 10 lbs., $1.00.

"ROBUST." 100 days. A selection of the White Navy Bean introduced by the Michigan Agricultural College, which in College trials has outyielded other White Beans, especially on heavier soils. Lb., 25c; 2 lbs., 40c; 5 lbs., 65c; 10 lbs., $1.00.

SHELL BEANS

DWARF HORTICULTURAL. 100 days. Late, heavy yielding. Flat green pods spotted with red. Pkt., 10c; lb., 35c; 2 lbs., 55c; 5 lbs., $1.00.

ENGLISH BROAD WINDSOR. 100 days. An English Dwarf Bean, eaten shelled, best of class. Pkt., 10c; lb., 40c; 2 lbs., 70c.

WHITE KIDNEY. 100 days. Lb., 30c; 2 lbs., 50c; 3 lbs., 70c; 5 lbs., $1.00.

RED KIDNEY. 110 days. Lb., 30c; 2 lbs., 50c; 3 lbs., 70c; 5 lbs., $1.00.

WHITE MARROW. 110 days. Lb., 30c; 2 lbs., 50c; 3 lbs., 70c; 5 lbs., $1. 00.

WAX POD BUSH BEANS GOLD STANDARD. Pkt., 10c; ½ lb., 20c; lb., 35c.

Stringless Wax Beans

★Golden Bountiful. 54 days. An extra early, perfectly stringless flat variety with black seed. The pods are large and of a golden yellow color, which they assume when still very small. Pkt., 10c; ½ lb , 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., $1.15; 10 lbs., $2.00.

★Gold Standard. Matures in about 52 days. In earliness, table quality and heavy yield this new variety is outstanding. It has straight flat pods, seven inches long; perfectly stringless, tender and of excellent flavor. In yield it equals its type parent, Davis Kidney Wax, which it far excels in quality. It is strongly recommended for the home garden. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., $1.15; 10 lbs., $2.00.

★Wardwell's Kidney Wax. Matures in about 53 days. The attractive golden yellow pods, seven inches long, are flat, brittle, stringless, straight, finely shaped and of excellent flavor. It is especially suited to midwestern conditions and is recommended for the home garden as well as for the market. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs. 75c; 5 lbs., $1.15; 10 lbs., $2.00.

★Round Pod Kidney Wax. (Brittle Wax.) Matures in about 52 days. The plant is erect, of medium size and a prolific bearer. The pods are a light yellow, 6 inches long, stringless and entirely without fibre. This variety has the highest table quality and is recommended for the home garden and for canning. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 3 lbs., 90c; 5 lbs. $1.25.

IMPROVED GOLDEN WAX. 50 days. A medium early bearing heavy crop on vines of vigorous bushy growth, a good rust-resister. The pods are golden yellow, fleshy and solid, brittle, waxy texture, excellent for home and market garden. They have an exquisitely rich butter flavor peculiar to this variety. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., $1.15; 10 lbs., $2.00.

NEW KIDNEY WAX. 53 days. A flat, long-podded stringless variety of highest table quality as well as a robust grower and high yielder. Pods 6 to 7 inches long, very thick and meaty. Vines 18 to 20 inches in height. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 3 lbs., 90c; 5 lbs., $1.25.

PENCIL POD BLACK WAX. 52 days. Bushy vines, very prolific, 15 inches high, bear round, thick, stringless, rich yellow pods, 6 to 7 inches long, of excellent quality, containing black seed. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., $1.15; 10 lbs., $2.00.

UNRIVALED WAX. 53 days. Vigorous grower, slightly flattened pods, high quality. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., $1.15; 10 lbs., $2.00.

Treat early planted beans with Semesan Jr., to aid germination. 4 oz., 55c.

To Mail Order Buyers

See your Order Blank on Page 3 for special Mail Order Offer on packets, ½ lb. and 1 lb. units of Peas, Beans and Corn, which will save you money on these important food crops.

Two Pounds Prepaid

Catalog prices of peas, beans and sweet corn include prepayment on lots up to 2 pounds. For postage charges on larger lots, see page 115.

KENTUCKY WONDER. Pkt.,10c.

POLE BEANS

THEY YIELD HEAVILY

POLE varieties are less hardy than the bush varieties, and must not be planted until the weather is settled and the ground warm. Set the poles about two to three feet apart, and in each hill plant six to eight beans, thinning when well started to the four strongest. A packet plants 15 hills; 1 lb., 100 hills.

*KENTUCKY WONDER OR OLD HOMESTEAD. 65 days. Green pod The most widely planted pole variety. The pods are fleshy, saddle-backed, 7 to 10 inches long and stringless when young. Kept picked, they bear all season. Pkt., 10c; ½ lb., 20c; lb., 35c. 2 lbs., 60c; 3 lbs., 75c; 5 lbs., $1.15; 10 lbs., $2.00.

*KENTUCKY WONDER WAX. 65 days. The best pole wax bean for northern planting. It is similar in habit to "Kentucky Wonder Green Pod," and as early. Pods are golden yellow, and fleshy; make delicious eating. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., $1.15; 10 lbs., $2.00.

EARLY GOLDEN CLUSTER WAX. 65 days. Long, stringless; fine quality; pods in clusters; pure white seeds. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., $1.15; 10 lbs., $2.00.

BURGER'S STRINGLESS GREEN POD. 63 days. (White seeded Kentucky Wonder.) Can be picked until frost. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., $1.15; 10 lbs., $2.00.

WHITE CREASEBACK. 65 days. Early; long, round, green, stringless, tender. Pkt., 10c; lb., 40c; 2 lbs., 70c; 5 lbs., $1.25.

CUT SHORT OR CORN HILL. 65 days. Much used in the south for planting among the corn. Yields well without poles. Short pods, flat to oval in shape. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., $1.15; 10 lbs., $2.00.

LAZY WIFE. 72 days. Good shell beans; long, thick, stringless pods. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., $1.15; 10 lbs., $2.00.

HORTICULTURAL CRANBERRY. 70 days. For cool climate; early; flat green pods, spotted seeds; good snap or shell. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., $1.15; 10 lbs., $2.00.

SCARLET RUNNER. 65 days. Ornamental, bright red flowers. Pkt., 10c; lb., 40c; 2 lbs., 75c.

Yard Long. (French Asparagus Bean.) 65 days. It produces a long, irregular, nearly round edible pod, which is a novel addition to the menu. Pkt., 15c; lb., 70c.

Limas—a Luxury Crop

LIMAS should be planted a little later than the other running beans, in the most favorable location possible, as they are very late in maturing. Always plant with the eye down. They may be sown in hills, or in rows, and allowed to run on chicken wire or strings and thinned to eight or ten inches apart. The Bush Lima is more easily grown than the tall, and is earlier and more economical of space.

FORDHOOK BUSH. Pkt., 10c.

BUSH

Packet plants 20 ft.; lb., 150 ft.

★Fordhook Bush. 78 days. The highest quality Bush variety, it grows erect, and its large pods contain 4 to 5 large, thick, beautiful green beans. In contrast with older varieties, which were dry and mealy, Fordhook is tender, sweet and juicy. For heaviest yield give each plant at least 18 inches in the row. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 3 lbs., $1.00; 5 lbs., $1.50.

★Henderson's Bush. 65 days. An early and prolific bearer of small beans. Thrives in ordinary soil and is an excellent variety for home gardeners who have difficulty growing the larger limas. Crop reliable, very productive, compact form, free from mildew. Pkt., 10c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., $1.15.

BURPEE'S IMPROVED BUSH. 76 days. This has larger pods and beans than the original. The vines are heavier and produce larger pods than "New Wonder." Vaughan's strain of this excellent sort gives the greatest satisfaction. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 3 lbs., $1.00; 5 lbs., $1.50.

BURPEE'S BUSH. 75 days. Large white seeds; very productive and splendid quality. Pkt., 10c; lb., 40c; 2 lbs., 70c; 3 lbs., $1.00; 5 lbs., $1.40.

★McCrea. A prolific bearer of large, thick lima beans, of the type known "potato." The plants stand stocky and upright, and the pods are 3 to 5 inches long. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 3 lbs., $1.00; 5 lbs., $1.40.

NEW WONDER BUSH. 76 days. Of bush lima quality. Plants are large, prolific and long bearing, pods uniform. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 3 lbs., $1.00; 5 lbs., $1.40.

POLE

Packet plants 15 hills; lb., 100 hills.

★Succulence. 75 days. Earliest of pole limas, it also excels in table quality. It bears beans slightly larger than Henderson's Bush, equal in flavor and tenderness to Fordhook. It is an exceptional producer even for a pole lima and gives a continuing yield until frost kills the vines. It can be grown on a pole or allowed to run on the ground. We strongly recommend it as of the highest merit for both home and market. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 70c; 3 lbs., 90c; 5 lbs., $1.25.

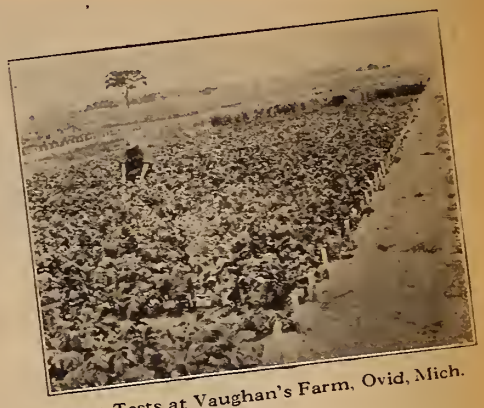
EARLY LEVIATHAN. 83 days. Exceptionally early, it equals the main crop varieties for large pods; clusters of 5 to 8 grow together. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 70c; 3 lbs., 90c; 5 lbs., $1.25.

KING OF THE GARDEN. 85 days. A large podded, vigorous, immensely productive variety. The numerous pods, 5 to 7 inches long, are well filled with 5 to 6 large beans of excellent quality. The vine begins to produce pods near the foot of the pole and bears continuously until frost. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 70c; 3 lbs., 90c; 5 lbs., $1.25.

LARGE WHITE SEEDED. 85 days. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 70c; 3 lbs., 90c; 5 lbs., $1.25.

Quality Beets

CROSBY'S EGYPTIAN SELECT STOCK. Oz., 20c; pkt., 10c.



Beet Tests at Vaughan's Farm, Ovid, Mich.

QUALITY in beets is measured by an even, globular shape, uniformity in size, bright, even color, flavor, fine texture and tenderness. Here as with all vegetables, the difference between a fine and a mediocre strain of one variety may be as great as between different varieties.

Our best seed is grown only from transplanted roots, which are taken up in the fall, carefully graded, stored over the winter and transplanted again in the spring. Only beets which conform to the highest quality standards are planted for seed. Thus improvement is shown annually in progress toward perfection.

While this extra care increases the cost of the seed, the increase is small compared with the added value which improved quality gives to the crop.

Beets are easily grown in the home garden, and provide appealing dishes throughout the year. When they are thinned out in the spring their tops and leaves make a delicious dish. They can be served fresh at all stages of growth, they make excellent pickles, are easily canned, and they keep well in a root cellar.

★Perfected Detroit. Matures in about 50 days. In this improved strain of Detroit Dark Red Turnip beet the fine qualities which have made that variety standard for main crop sowing have been strengthened by careful breeding. It is as near perfection as breeding skill has attained, earlier, and almost spherical in shape, which is most desirable for pickling and canning. Its small tops are just right for either dry or wet season, heavy or light soil. The color inside and out is a very dark red, and flesh of fine texture, tender and of excellent flavor. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.25.

★Detroit Dark Red Turnip. Matures in about 53 days. A main crop variety unequaled as a heavy yielder, and having the qualities which are valued for shipping and canning, as well as for the home and market gardens. Toos are uniform, small and erect. Roots are globe shaped, and very dark red, inside and out, with inconspicuous zoning. It is sweet, and remains tender until maturity. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., 90c.

★Crosby's Egyptian. Matures in about 50 days. This early variety has long been a home garden favorite; and our strain has maintained and improved its excellent qualities. It is exceptionally tender and sweet, of a deep red with some light zoning, and fine texture. Tops are of medium size, and the roots of a flattened globe shape. This variety excels in table quality.

Vaughan's Selected Stock—Pkt., 10c; oz., 20c; ¼ lb., 40c; lb., $1.25.

Standard Stock—Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., 90c.

★Early Wonder. Matures in about 50 days. This is a selection of Crosby's Egyptian which differs in shape and color, being slightly deeper and thus more nearly globe shaped, and a darker red. The tops are small, making it a fine variety for bunching. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.25.

★Good for All. Matures in about 54 days. This is a selection of Detroit, bred to produce uniform roots which can be harvested when 1¼-1½ inches in diameter, especially for canning and pickling. It is almost perfectly globular, smooth and uniform in size, with deep crimson even color inside. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.25.

CRIMSON GLOBE. 55 days. Second early main crop, of medium size. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., 90c.

EDMAND'S BLOOD TURNIP. 58 days. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., 90c.

VAUGHAN'S FIRE BALL. 50 days. Early, of fine globe shape, solid, sweet, deep red flesh, small tops. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.25.

TENDER SWEET. See novelty page. Pkt., 15c; oz., 25c; ¼ lb., 65c.

EARLY BLOOD TURNIP. 50 days. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., 90c.

IMPROVED EARLY EGYPTIAN. 48 days. The best variety for forcing and first early crop. Roots very dark red, rounded on top, flat beneath, small tops. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., 90c.

Home Garden Varieties—Crosby's Egyptian for the early crop and Detroit Dark Red Turnip or Perfected Detroit for main crop and late crop are recommended to home gardeners as providing the very finest table quality.

Quantity needed to sow: 15 ft. row, 1 pkt.; 60 ft. row, 1 oz.; acre, 7 lbs. (Rows 18 in. apart.)

February 16, 1937.

Dear Sirs: The finest spinach seed I ever obtained was from your house in. I thank you.

Yours truly, Fred E. Hughes, Eugene, Oregon.

Mangel Wurzel

Mature in 90 to 120 days.

Mangels are an excellent crop for dairy and poultry farms, giving a crop of good feeding value for both cattle and chickens. Sow in May or June, 6 lbs. to the acre, in rows 2 feet apart, and thin to nine inches. Give the crop good cultivation.

BARRES SLUDSTRUP. This Mangel holds the world's record for dry matter content. It is a long, reddish yellow, ovoid root. Our seed is from best Danish growers. Oz., 10c; ¼ lb., 25c; lb., 60c; 5 lbs., $2.50.

VAUGHAN'S MAMMOTH LONG RED. Largest and heaviest cropper of long red sorts. Oz., 10c; ¼ lb., 25c; lb., 60c; 5 lbs., $2.50.

GIANT YELLOW ECKENDORF. Yellow roots, cylindrical, 15 to 20 pounds each. Oz., 10c; ¼ lb., 25c; lb., 60c; 5 lbs., $2.50.

GOLDEN TANKARD. Oz., 10c; ¼ lb., 25c; lb., 60c; 5 lbs., $2.50.

GIANT ROSE HALF SUGAR. Oz., 10c; ¼ lb., 25c; lb., 60c; 5 lbs., $2 50.

Sugar Beets

The kinds offered below are grown from roots, the test analysis of which showed high sugar content. Prices of the following: oz., 10c; ¼ lb., 25c; lb., 60c; 5 lbs., $2.50.

VILMORIN'S IMPERIAL. Improved French variety; yields nearly as much as the Mangels.

KLEIN-WANZLEBEN. Wedge-shape tapering to long tail.

Brussels Sprouts

Brussels Sprouts are miniature cabbages formed on a plant stalk. The delicate flavor is improved by a touch of frost. For late use sow seed in June.

LONG ISLAND IMPROVED. 85 days. The most satisfactory Brussels Sprouts for American conditions. Pkt., 10c; oz., 25c; ¼ lb., 75c.

IMPROVED DWARF. 85 days. Dwarf habit and less liable to aphis than others. Pkt., 10c; oz., 20c; ¼ lb., 65c.

PERFECTED DETROIT BEET. Oz., 20c; pkt., 10c.

New Carrots Are Coreless

CARROTS have been improved in quality at the same time their value as a health food has been gaining wider recognition. In addition to color, size, shape, tops and season of maturity, our special strains are selected for sweetness, and the tenderness and even texture of the flesh, especially for a minimum of "core." Scientists say the brighter the color, the more Vitamin A in carrots.

The expense of the extra care needed in selecting the best plants, together with the reduced seed crop which results from discarding the "rogues," necessarily increases the cost of selected strains; but the added cost is insignificant compared with the improvement which results in your crop.

★Redheart (Rotherz). Matures in about 70 days. Coming from Germany with high praise, this variety has demonstrated its merit in our trials. It is the finest flavored, tenderest carrot of its type. It has no core of the usual sort, but its rich red coloring is even throughout the flesh. The top is ample for bunching and the foliage is fern-like. The root is of medium length, blunt, smooth and easily prepared for serving. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

New Bunching. Matures in about 80 days. A new type developed to fill the demand of market growers for a longer and better colored bunching carrot. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.25.

★Nantes Half Long Scarlet. Matures in about 68 days. This early variety is not surpassed in tenderness and sweetness. The tops are small, the roots bright orange, smooth and cylindrical, 6 to 7 inches long. There is almost no core, and this variety gives the home gardener supreme table quality, at whatever stage it is harvested. Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., $1.75.

★Table Queen. Matures in about 68 days. Excels in sweetness, crisp tenderness and vivid yellow color which bespeaks abundant Vitamin A. Half-long type, rich red, tender, crisp and one of the sweetest we know. Pkt., 15c; oz., 30c; ¼ lb., 90c; lb., $3.00.

VAUGHAN'S SELECT DANVERS. 80 days. It is a half-long type, averaging five and one-half inches in length, tapering to a blunt point. The color is a rich, deep orange, the table quality excellent, its yield greater per acre than any other. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.25.

TABLE QUEEN. Pkt., 15c. GREATER CHANTENAY. Pkt., 10c.

Greater Chantenay. 70 days. This is a strain of Early Chantenay which resembles the original type in all respects except that it averages 1½ to 2 inches longer. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

EARLY CHANTENAY. 70 days. This excellent variety is ready to use in seventy days after sowing. Averages 4½ inches in length, tapering slightly from well-set shoulders. It is smooth, of a deep orange color, and of high table quality. Home gardeners may grow this for all purposes. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.25.

EARLY SHORT SCARLET. 65 days. (Dutch Horn.) Larger than French Horn and almost as early, 1½ inches thick, three inches long; fine grain, sweet-flavored, rich orange. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

VAUGHAN'S CHICAGO FORCING. 85 days. A nearly cylindrical, blunt pointed, coreless carrot, from 1 to 1½ inches in diameter. Among the best flavored and tenderest varieties. Pkt., 10c; oz., 20c; ¼ lb., 50c.

GUERANDE OR OXHEART. 70 days. Is a variety of very rapid growth, often attaining a weight of ½ pound. It is thick shouldered, short and top shape; has a good flavor and is tender. A second early. Pkt., 10c; oz. 15c; ¼ lb., 40c; lb., $1.10.

IMPERATOR. 85 days. 1932-1933 All American Selection, Award of Merit Winner. A new introduction which fills the great demand for a longer carrot than Chantenay, but with equal quality. Imperator has roots 7 to 8 inches long, slightly tapering, and just enough top to bunch well. Color is deep solid orange all through. It is prolific and of high quality, brittle, tender, sweet. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.25.

CARROTS FOR STOCK

IMPROVED LONG ORANGE. 85 days. It is a good keeper of fine quality for winter use, and extensively grown for stock feeding. Makes a large tonnage of feed and may be used for cattle or poultry. Pkt., 10c; oz., 20c; ¼ lb., 40c; lb., $1.00.

Lake Douglas, Wis., "I had the greatest success with your seeds last year and one of the finest gardens you ever saw. Your garden seeds are excellent." George D. B.

Grand Rapids, Mich. "My first experience with Vaughan's Seeds was in 1901 and the memory of their excellence lingers though I have had many different experiences with others since. I am 79 years old." Mrs. Esther J.

You Can Grow Your Own Celery

CELERY is often thought to be difficult to grow. Every home gardener whose soil is sufficiently light and rich to produce good cabbages may easily produce a family supply of this most welcome delicacy. Start the seed indoors and set the plants out around the middle of June. Eight inches apart for the early kinds and a foot for the winter varieties. Do not work over the plants when they are wet with dew or rain.

Vaughan's Celery Seed is of the finest strains in the world and is used by market gardeners selling to the most exacting trade.

Quantity needed for 400 to 500 plants, 1 pkt.; 8,000 plants, 1 oz.

★Golden Detroit. The plants are heavy, compact and full hearted. Stems are broad, very thick, rounded at the edges and the edible portion is about 7 inches long. The leaves are a clean bright green, the stems blanch easily and are very free from strings. This is a pure line selection of the Dwarf Golden Self-Blanching type which accentuates the good points of that variety. Pkt., 25c; ½ oz., 60c; oz., $1.00.

★Salt Lake. Selection from Utah Golden. Large round stalk. Free from string, finest quality, branches easily. An excellent winter seller. Pkt., 25c; ½ oz., $1.00; oz., $1.75.

★MICHIGAN GOLDEN. (College Golden). Developed at Michigan State Agricultural College. A new strain of self-blanching celery resistant to root rot or crown rot "Fusarium Yellows," bred from the tall strain of Golden Self-Blanching. Its stalks are a little taller than Golden Plume, but of the same width and have a narrower base. Pkt., 40c; ½ oz., $1.00; oz., $1.75; ¼ lb., $6.00.

GOLDEN PHENOMENAL. A selection of Golden Plume, taller, growing longer to the first leaf and heavier stalk. Free from any strings, fine flavor. Pkt., 25c; ½ oz., 50c; oz., 90c; ¼ lb., $3.00.

WHITE PLUME. It excels in crisp and tender table quality. Its habit of growing is vigorous, stalks are uniformly white, and large sized.

Selected Stock. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., $1.25.

CELERY GOLDEN PLUME. Pkt., 30c.

GOLDEN SELF-BLANCHING. Dwarf bunches, with broad, heavy stalks, blanch into a rich, appetizing, golden yellow. Though the stalks are heavier than white varieties, its sweetness, tender crispness, delicious flavor and absence of strings make it a favorite. The French originators of this type have lately introduced a re-selected strain earlier and stronger growing than the older type. We offer the two strains separately.

Tall Strain. French type. Pkt., 10c; ½ oz., 40c; oz., 70c; ¼ lb., $2.00.

Dwarf Strain. American-grown. Pkt., 10c; ½ oz., 40c; oz., 70c; ¼ lb., $2.00.

GIANT PASCAL. The stalks are large, solid, crisp and of rich nutty flavor. For fall and winter, this is a splendid sort. Pkt., 10c; oz., 35c; ¼ lb., $1.00.

EMPEROR. It is dwarf in type (hence easier to blanch than taller kinds), second early and a good winter keeper. The stems are round. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., $1.50.

EASY BLANCHING. A vigorous grower of medium dwarf height, stalks thick, quality excellent. Pkt., 10c; oz., 50c; ¼ lb., $1.50.

GOLDEN PLUME. A selection from or a cross with the Golden Self-Blanching, it is more vigorous and withstands heat and blight better. It is a beautiful gold in color, brittle and of the highest table quality. **Select.** Pkt., 30c; ½ oz., 80c; oz., $1.50; ¼ lb., $5.00. **Regular.** Pkt., 20c; ½ oz., 40c; oz., 75c; ¼ lb., $2.50.

WINTER QUEEN. An excellent winter sort with double the amount of heart of any known celery. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., $1.15.

SOUP CELERY OR SMALLAGE. Green foliage used for soups. Oz., 20c; ¼ lb., 50c.

Superior Cauliflower

VAUGHAN'S SELECT SNOWBALL. Pkt., 25c.

CAULIFLOWER quality is judged by the size and uniformity of the heads and the tenderness and fine texture of the flesh.

With our Danish growers we maintain relations of long standing and our contracts provide for the most careful selection of stock seed and roguing of the growing plants, to insure a high standard in the crop which you will grow. Owing to the added expense necessary in maintaining the quality of superior strains, prices of cauliflower seed vary greatly. But the additional cost of the best strains is small compared with the difference in your crop.

Home gardeners have a right to be proud of success with cauliflower. Yet it is not difficult where conditions are right. When plants are set out in June or early July to mature in October, there is seldom any question of getting fine, large heads.

Quantity needed for 150 plants, 1 pkt.; for 1,500 to 2,000 plants, 1 oz.

★Vaughan's Select Snowball. Matures in about 55 days. Improved strain of our New Snowball, early, dwarf, compact, producing solid white heads which measure 9 to 10 inches across and have a perfectly white core. Its heads are more uniform in size and there are more leaves, for protection in bleaching. The seeds are about one-third smaller. Pkt., 25c; ¼ oz., 80c; ½ oz., $1.50; oz., $2.75.

★Vaughan's New Snowball. Matures in about 55 days. A well grown head measures 9 to 10 inches across, with depth in proportion, and a perfectly white core. It is dwarf and compact in growth, and as early as any other. Our strain is the product of years of careful selection. Pkt., 25c; ¼ oz., 75c; ½ oz., $1.40; 1 oz., $2.50.

★Sureheader. 63 days. Stem very short, leaves compact, upright, close to the stalk, forming a whorl which protects the head. The head is exceptionally deep, firm, heavy and snow-white. Pkt., 25c; ¼ oz., $1.00; ½ oz., $1.85.

VAUGHAN'S EARLIEST DWARF ERFURT. Like New Snowball, but a few days later. Pkt., 25c; ¼ oz., 70c; ½ oz., $1.25; oz., $2.25.

DRY WEATHER CAULIFLOWER. Heads larger than Snowball, snow-white, second early. Pkt., 25c; ¼ oz., 75c; ½ oz., $1.40; oz., $2.50.

DANISH SNOWBALL. Second early. Pkt., 25c; ¼ oz., 70c; ½ oz., $1.25; oz., $2.25.

AUTUMN GIANT. Large heading late fall sort. Pkt., 10c; ¼ oz., 35c; oz., 60c; ¼ lb., $1.75.

New Sprouting Broccoli

BROCCOLI, which has become popular throughout the country in the last few years, is a cousin of the cauliflower, having a similar but more delicate flavor.

The type which has won greatest popularity differs from cauliflower in its habit of growth. The center stalk produces a terminal head which may be cut, whereupon other heads are produced on lateral branches, which in turn may be harvested. This habit of "sprouting" and the fact that the heads are not bleached are responsible for the description of this type as "green sprouting broccoli."

Typical center heads are shown in the illustration. In addition to the heads, the stem and leaves near them are tender and edible. The yield is large and the season of bearing is long.

The home gardener will find broccoli an excellent crop for late summer and fall. It survives light frosts, and produces well in the cool autumn weather. Sow in the open in May, and transplant to eighteen inches apart in the garden row.

★Italian Green Sprouting (Calabrese). Matures in about 120 days. A selected strain of the most popular type from an Italian specialist who has bred it to a high standard of yield, flavor and tenderness. After its large center heads are harvested, smaller heads 2 inches in diameter form at the ends of lateral branches. It continues to bear for eight to ten weeks. Pkt., 25c; oz., 60c; ¼ lb., $1.75.

LARGE WHITE MAMMOTH. This is a type which produces white heads similar to cauliflower. Pkt., 10c; oz., 50c; ¼ lb., $1.50.

PURPLE CAPE. Purplish heads. Pkt., 10c; oz., 50c; ¼ lb., $1.50.

BROCCOLI ITALIAN GREEN SPROUTING.

WONG BOK. Pkt., 10c. "PE TSAI." Pkt., 10c.

Chinese or Celery Cabbage

Quantity needed for 30 ft., 1 pkt.; 200 ft., 1 oz.

★Celery Cabbage Pe Tsai. The VAUGHAN Strain. This exceptionally fine vegetable is rapidly growing in public favor. Its growth resembles the Cos lettuce, but the outer leaves have the general texture of ordinary cabbage. When the outside leaves are stripped away, the cabbage presents a well nigh irresistible appearance. Our strain of this seed is grown in China by a specialist whose family has raised and selected this particular type for many years. The heads blanch without tying. July is the proper planting time. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb. $1.25; lb., $4.00.

CELERY CABBAGE "PAOTING". Genuine "WONG BOK" type. Will mature firm heads through the summer months. It has produced heads weighing 15 pounds and stands long before going to seed. It is the largest of the Chinese cabbages. Pkt., 10c; oz., 30c; ¼ lb., 90c; lb., $3.00.

Cardoon

Main stalks are blanched like Celery; used for salad or in soups. Pkt., 10c; oz., 30c; ¼ lb., 75c.

Savoy Cabbage

A Table Delicacy

This type of cabbage has leaves which are crumpled or savoyed instead of smooth, as in other types. The heads are not as tight as the smooth leaved type, but are of superior flavor, and are esteemed for table quality. They are especially favored by many good cooks for stuffing with ground meats. Try them in the home garden.

IRONHEAD. Earliest of this type, with large round head of excellent quality. Pkt., 10c; oz., 35c; ¼ lb., $1.00.

IMPROVED AMERICAN SAVOY. The best main crop variety of this type. The vigorous short stemmed plant bears a large, fairly solid head, sweet and tender. Pkt., 10c; oz., 35c; ¼ lb., $1.00.

Red Cabbage

Red Cabbages are Valued for Distinctive Flavor

★Red Winter Giant. 95 days. One of largest; dark red, extremely hard head, exceptional keeping quality. Pkt., 15c; ½ oz., 40c; oz., 75c.

★Haco, Earliest Round Red. 75 days. This new sort originated in Denmark, and the seed we offer was grown especially for us by the originator. The color is intense dark red throughout, heads trimmed average 3 lbs., each. Pkt., 15c; ½ oz., 35c; oz., 60c; ¼ lb., $1.75.

MAMMOTH ROCK RED. 95 days. The hardiest and largest heading red cabbage. Round, very solid and of a deep red color, often weighing up to 12 pounds each. Pkt., 10c; oz., 45c; ¼ lb., $1.35.

RED AMAGAR. 95 Days. Round hard head, deep red color, excellent keeper. Pkt., 15c; ½ oz., 45c; oz., 80c.

RED YELLOWS RESISTANT. 100 days. Not as large as Mammoth Rock Red, but darker and more uniform color. Pkt., 15c; ½ oz., 45c; oz., 80c; ¼ lb., $2.50.

Cabbages

Crisp, Tight-heading, Tender

QUALITY in cabbages is judged by uniformity of size and maturity date, tightness of head and crispness. In table quality as well as in points which are valued by market growers, superior strains of all standard varieties excel the ordinary grades of seed. The constant vigilance required to maintain quality, by discarding from the seed growing stock all plants which do not conform to the ideal type, increases the production cost but the increase is small compared to the difference in your crop.

If you have trouble growing cabbages owing to yellows disease in your locality, try seed of the resistant varieties described below.

Each year the seed stock from which these strains are grown is tested in yellows infected soil at Racine, Wis., where ordinary commercial strains die out completely. Plants which are healthy and of the best types are chosen to produce the first generation stock seed offered below.

Owing to the added expense of growing these superior strains, they cannot be priced in competition with other so-called resistant strains which are several generations removed from selected stock plants.

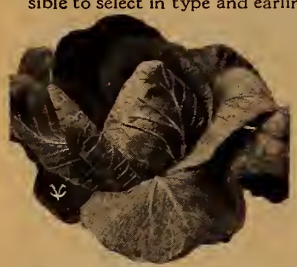
Quantity needed for 250 plants, 1 pkt.; 1,500 to 2,000 plants, 1 oz.

Yellows Disease Resistant Varieties

★Wisconsin Pride. 64 days. A round head early of the Golden Acre type. Of dwarf, compact growth with few leaves, of exceptionally uniform size and maturity season. Pkt., 15c; ½ oz., 45c, oz., 80c; ¼ lb., $2.50.

★Wisconsin Ballhead. 84 days. Most highly perfected strain of yellows resistant cabbage yet introduced. It excels in all the qualities that mark a good cabbage, besides being 100 percent resistant. A better keeper, of finer texture and matures earlier than Wisconsin No. 8. We sincerely recommend this for home garden and market growers. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $1.75.

★Jersey Queen. 58 days. As near a true Jersey Wakefield as is possible to select in type and earliness. Exceptionally resistant to yellows. This is the first of our resistant strains to mature and is recommended to the home gardener where a cabbage for summer salad use is desired. Pkt., 15c; oz., 60c; ¼ lb., $1.60.



CABBAGE, JERSEY QUEEN. Pkt., 15c.

WISCONSIN ALL HEAD EARLY. 70 days. Is the second resistant variety to mature. Will stand for a long time without bursting and is nearly 100% resistant. Large heading general purpose cabbage. Pkt., 15c; ½ oz., 30c; oz., 50c; ¼ lb., $1.50.

MARION MARKET. 75 days. The third yellows-resistant cabbage to mature. Of an excellent Copenhagen Market type, though later than select Copenhagen, coming a short time before Glory of Enkhousen. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $1.90.

★Globe. 80 days. The resistant Glory of Enkhousen is but 3 or 4 days later than Copenhagen, of excellent flavor. You who think that there is no difference in the flavor of cabbage should compare a mature Globe with any other cabbage. Pkt., 15c; oz., 65c; ¼ lb., $2.00.

WISCONSIN ALL SEASONS. 98 days. Either a kraut or home variety, but is used more for kraut than any other purposes. Pkt., 15c; ½ oz., 25c; oz., 45c; ¼ lb., $1.40.

BUGNER. 100 days. A winter variety bred yellows-resistant by means of continual selection on yellows soil near Chicago. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $1.75.

WISCONSIN No. 8. 110 days. A late winter keeper. Pkt., 15c; ½ oz., 30c; oz., 50c; ¼ lb., $1.50.

TYPICAL HEADS OF RESISTANT VARIETY MARION MARKET.

Standard Bred Cabbages

★Reselected Copenhagen Market Extra Early. Matures in about 62 days. Earliest of the large heading cabbages, maturing even before the conical types, this select strain is of unique value both to home and market growers. It is the result of many years' selection by our European grower, and produces heads round as a ball, crisp, tender and of fine texture. Market growers have reported their entire crop of this strain harvested before heads from other seed of this variety were ready to cut.

Reselected Tested Stock, 60 days, Pkt. 15c; oz., 50c; ¼ lb., $1.50.

Standard Stock, 68 days, Pkt., 10c; oz., 30c; ¼ lb., 90c.

★Daybreak. 60 Days. It bears a round, hard head with short stem and was developed by one of the best growers in Denmark, in whose trials it matured 65% in 60 days, averaging 3 pounds, 12 tons to the acre. Earliest Copenhagen Market strain matured 50% in 75 days averaging 4½ pounds, 18 tons to the acre. The same relative performance may be expected in this country. Pkt., 15c; ½ oz., 25c; oz., 45c; ¼ lb., $1.25.

★Golden Acre. Matures in about 60 days. This early round headed variety is slightly earlier than our reselected extra early Copenhagen Market and is similar in most other respects, except that its heads are slightly smaller, 4 to 5 lbs. It is of dwarf, compact growth, with few leaves so that the plants can be set close together, and is exceptionally uniform in size and maturity date. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., $1.25.

★Glory of Enkhousen. Matures in about 80 days. This globe shaped, medium early variety is of excellent flavor and crispness and produces heads weighing 8 to 10 pounds, and more uniform than the earlier types. Our strain is grown by the originator and is recommended for the main crop in the home garden. Pkt., 10c; oz., 25c; ¼ lb., 75c.

PENN STATE BALLHEAD. 100 days. A heavy yielding strain of the short stem Danish Ballhead type bred by Dr. Myers of Pennsylvania State College. Yields as high as 26 tons per acre have been recorded. Pkt., 15c; ½ oz., 35c; oz., 60c; ¼ lb., $1.75.

VAUGHAN'S SELECT EARLY JERSEY WAKEFIELD. 62 days. This extra early conical-shaped head cabbage is a specialty with us, and to secure the best seed on our growing farms we spare no expense. In some sections, conical heads are preferred to round heads for the early crop. The heads are hard, the outside leaves small, so that close planting is possible. Pkt., 10c; oz., 25c; ¼ lb., 75c.

★

Varieties designated by a star as illustrated above are recommended as of especially fine strains and suited to the home garden.

CHARLESTON WAKEFIELD. 73 days. This sort matures later than "Jersey Wakefield," with heads much larger and uniform. Very popular with Southern growers, it does well on heavy soil. Pkt., 10c; oz., 25c; ¼ lb., 75c.

VAUGHAN'S ALL SEASONS. 90 days. Suited to every growing season. Even when planted late it keeps well, and is of better quality than big ribbed winter sorts. The heads are large and solid. Pkt., 10c; oz., 30c; ¼ lb., 75c.

ALL HEAD EARLY OR FAULTLESS. 70 days. Amateur growers who plant only one variety may plant this one. This sort matures large, uniform handsome heads of unsurpassed quality. Pkt., 10c; oz., 30c; ¼ lb., 75c.

EARLY SUMMER (New York). 75 days. The heads are round and flattened, of fair size, solid, quality good, have an attractive appearance, being tinged with a peculiar shade of blue. Pkt., 10c; oz., 30c; ¼ lb., 75c.

EARLY FLAT DUTCH. 75 days. Sure solid header; weighs 10 to 12 pounds. Pkt., 10c; oz., 30c; ¼ lb., 75c; lb., $2.25.

LATE VARIETIES

DANISH BALLHEAD SHORT STEM. 100 days. Or Dwarf Amager. This variety is almost identical with "Dutch Winter or Hollander." Pkt., 10c; oz., 35c; ¼ lb., $1.00.

VAUGHAN'S PREMIUM LATE FLAT DUTCH. 110 days. Of the Flathead varieties this large-heading sort is the most popular. Seed may be sown in the open ground and plants raised without the use of hotbeds. Pkt., 10c; oz., 30c; ¼ lb., 75c.

GOLDEN ACRE. Pkt., 10c.

Our Michigan Grown GOLDEN BANTAM. Pkt., 10c.

Sweet Corn All Summer, 25c

Collection No. 22. One Packet each, Earliest Golden Sweet, Golden Bantam, and Bantam Evergreen, prepaid for 25c. ½ lb. each, 60c; 1 lb. each, $1.00.

ONLY by the home gardener, who picks and serves it without loss of flavor, can sweet corn be enjoyed at its supreme best. We are specialists in sweet corn, and grow our finest strains on our own farms. Between our strains and many of the seeds offered under the same names, there is a great difference in size as well as in flavor. The increase in cost is small compared with the difference in your crop. Remember that after sweet corn is picked, its sugar content begins to turn to starch, and the sooner it is served, the sweeter it will be. If there is any delay keep it in the refrigerator.

A packet plants 40 hills; a pound 400 hills; 12 pounds an acre.

YELLOW

To aid germination and increase vigor of early planted corn, treat with Semesan Jr. 4 oz., 50c.

★Golden Bantam. Matures in about 64 days. The tender sweetness of an ear of true Golden Bantam, picked just after it turns yellow and served in half an hour, has never been excelled To maintain this supreme quality, however, requires constant vigilance, and there is great variation in the seed sold under this name. Our strain is grown on our Michigan farm, where it is selected for size, uniformity and flavor, and runs much larger than the usual type, as well as better flavor. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., $1.15; 10 lbs., $2.00.

★Golden Country Gentleman. (Golden Colonel.) 90 days. By crossing Country Gentleman and Golden Bantam, this late variety was produced, with the flavor of Bantam and the size and kernel of Country Gentleman. An excellent late yellow. All America award of merit for 1935. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., $1.15; 10 lbs., $2.00.

★Earliest Golden Sweet. Matures in about 53 days. To produce an earlier variety with the quality of Golden Bantam we have worked many years, and this is the best of many tested. In size and flavor it approximates Golden Bantam. It gives you Bantam quality twelve days earlier. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., $1.15; 10 lbs., $2.00.

★Vaughan's Bantam Evergreen. 75 days. A product of Golden Bantam crossed with Stowell's Evergreen. It has retained much of the quality of Bantam and has the size and tender skin of Evergreen. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., $1.15; 10 lbs., $2.00.

GOLDEN 60-DAY. 57 days. It is bred from 60-Day White crossed with Golden Bantam. Except for color, same as 60-Day. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., $1.15; 10 lbs., $2.00.

WHIPPLE'S EARLY YELLOW. 67 days. A 14 rowed ear, 7 to 8 inches in length. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., $1.15; 10 lbs., $2.00.

GOLDEN GEM. 50 days. Earliest yellow, producing 8 to 10 row ears. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., $1.15; 10 lbs., $2.00.

WHITE

VAUGHAN'S EARLIEST. 50 days. The earliest medium sized white. The ear is sufficiently high on the stalk to make picking easy, and is of sufficient size so that 5 dozen will make a bag for the market. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 65c; 3 lbs., 75c; 5 lbs., $1.00; 10 lbs., $1.85.

60-DAY WHITE. 54 days. Height 3 feet, ears 10 to 12-rowed, 6 to 7 inches. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 65c; 3 lbs., 75c; 5 lbs., $1.00; 10 lbs., $1.85.

VAUGHAN'S MAMMOTH WHITE CORY. 67 days. The ears are long with 10 to 12 rows, usually averaging two ears to the plant. Our seed is grown and bred on our own farms. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 65c; 3 lbs., 75c; 5 lbs., $1.00; 10 lbs., $1.85.

HOWLING MOB. 70 days. A large-eared fine second early corn. Pkt., 10c, ½ lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., $1.00, 10 lbs., $1.85.

EARLY EVERGREEN. 78 days. It is earlier than Stowell's Evergreen and in northern localities is a surer cropper. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., $1.15; 10 lbs., $2.00.

WHITE—Continued

STOWELL'S EVERGREEN. 90 days. The standard main crop variety. The stalks are strong and vigorous and grow 7 to 8 feet high, and bear ears 8 inches long, with 16 or more rows of the finest sugary grains. Vaughan's eastern grown seed develops a larger percentage of sugar than seed grown in the western states. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., $1.15; 10 lbs., $2.00.

NARROW GRAIN HYBRID. 90 days. Same season as Narrow Grain Evergreen. Much more prolific in poor years. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 85c; 3 lbs., $1.15; 5 lbs., $1.75; 10 lbs., $3.25.

Pop Corn

KANSAS SUNBURST. 110 days. It is a yellow kernel, 16-row ear, 6 inches long. Handsome to look at, wonderful popping quality, making 26 times its own volume. Developed by the Kansas State College and Dept. of Agriculture. Stalks 6 to 6½ feet tall. 2 to 4 ears to stalk. Seeds, pkt., 10c; ½ lb., 20c; 1 lb., 30c; 5 lbs., $1.00.

SOUTH AMERICAN. 110 days. Usually 2 ears to a stalk. Large yellow kernels, 12 to 14 row ear, 6 to 7 inches long, pops to enormous size, no hard center. Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 5 lbs., $1.00; 10 lbs., $1.75.

JAPANESE HULLESS. Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 5 lbs., $1.00; 10 lbs., $1.75.

WHITE RICE. Pkt., 10c; lb., 25c; 5 lbs., 90c; 10 lbs., $1.75.

COUNTRY GENTLEMAN. 90 days. The grain is small and crowded together on the cob, instead of forming in defined rows. Deliciously tender and sweet. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., $1.15; 10 lbs., $2.00.

COUNTY GENTLEMEN HYBRID. 90 days. Same season as Country Gentleman but better yielder in poor years. Pkt., 15c; ½ lb., 25c; lb 45c; 2 lbs., 85c; 3 lbs., $1.15; 5 lbs., $1.75; 10 lbs., $3.25.

VAUGHAN'S BLACK SUGAR or Black Mexican. 90 days. Selected for large ears and high sugar qualities. Ears 10-rowed, 8 inches long. Pkt., 10c; lb., 35c; 2 lbs., 60c; 5 lbs., $1.25.

To Mail Order Buyers

See your Order Blank on Page 3 for Special Mail Order Offer on packets, ½ lb. and 1 lb. units of Peas, Beans and Corn, which will save you money on these important food crops.

Two Pounds Prepaid

Catalog prices of peas, beans and sweet corn include prepayment on lots up to 2 pounds. For postage charges on larger lots, see page 116.

Resistant Hybrids Give Largest Yields

Wherever Stewart's disease of sweet corn is prevalent it is advisable to plant seeds of a resistant strain. Moreover, experience has proved that hybrid resistant seeds produce much heavier yield than standard breed varieties. All of the varieties listed below are first generation hybrids of our own production and may be relied upon to give a heavy crop of excellent quality.

Many growers are planting these hybrids even in localities where Stewart's disease is not present for the sake of of the heavier yield.

★Vaughan's Top Cross Golden Bantam. (Ban Cross). This variety is produced by crossing our Early Golden Bantam with Purdue Bantam. It is earlier than either parent and more uniformly eight rowed, though it may vary. One wishing the earliness and quality of Golden Bantam with resistance should try this. Pkt., 15c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 3 lbs., $1.00; 5 lbs., $1.50; 10 lbs., $2.75.

VAUGHAN'S PURDUE BANTAM. This was produced by G. M. Smith of Purdue University. It varies from an eight to twelve or fourteen row ear, twelve inches taller than Golden Bantam, ten days to two weeks later, varying in resistance to Stewart's Disease under different weather conditions and soil conditions. Pkt., 15c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 3 lbs., $1.00; 5 lbs., $1.50; 10 lbs., $2.75.

TOP CROSS GOLDEN 60 DAY. (Mar Cross). This is Golden 60-day crossed with Purdue Bantam and has given us a cross that is practically the same as Golden 60-Day with wilt resistance. Pkt., 15c; ½ lb., 25c lb., 40c; 2 lbs., 75c; 3 lbs., $1.00; 5 lbs., $1.50; 10 lbs., $2.75.

EARLY BANCROSS. Five days earlier than Bancross. Pkt., 15c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 3 lbs., $1.00; 5 lbs., $1.50; 10 lbs., $2.75.

WHIP CROSS. Five days later than Whipple's Yellow. Pkt., 15c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 3 lbs., $1.00; 5 lbs., $1.50; 10 lbs., $2.75.

VAUGHAN'S GOLDEN CROSS BANTAM. Obtained by crossing the two strains produced by G. M. Smith of Purdue. It has the same resistance and will produce a heavier crop of more uniform ears. Pkt., 15c; ½ lb., 25c; lb., 40c; 2 lbs., 75c., 3 lbs., $1.00; 5 lbs., $1.50; 10 lbs., $2.75.

TOP CROSS GOLDEN SWEET. (Sweet Cross.) Our Early Golden Sweet crossed with Purdue Bantam and having extreme earliness and unusual sweetness with wilt resistance. Pkt., 15c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 3 lbs., $1.00; 5 lbs., $1.50; 10 lbs., $2.75.

MARCROSS EAR AND STALK. Pkt., 15c.

GOLDEN 60 DAY. Pkt., 10c.

HIGHBRED HYBRID CORN, WISCONSIN CERTIFIED.

Certified Hybrid Field Corn

Highbred Hybrid Certified Wisconsin. Certified corn is offered in one bushel bags, sealed and certified under the direction of the State of Wisconsin. If less than one bushel is wanted, it will be necessary to break a sealed bag and to charge a proportionately higher price. We offer this vigorous, early hybrid corn in five strains, maturing as follows: 100 days, 105 days, 110 days, 115 days and 120 days. Each strain may be ordered in three grades as follows:

Large flat kernels. Peck, $2.00; ½ bu., $3.50; bu., $6.50. Small flat and round kernels. Peck $1.50; ½ bu., $2.75; bu., $5.00. Large round kernels. Peck $1.25; ½ bu.; $2.25; bu., $4.00.

Specify grade and maturity date desired

WESTERFIELD'S CHICAGO PICKLE. Pkt., 10c.

Pickle Cucumbers

Grow Quick. 48 days. A pickle type similar to Chicago Westerfield in size and shape, but a week or ten days earlier. It usually matures its crop before the early blight appears. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

Westerfield's Chicago Pickle. 58 days. Since we first introduced this pickle years ago, it has been a distinguished success. When ripe the fruit is medium size, blunt at both ends, has prominent black spines. Pkt., 10c, oz., 20c; ¼ lb., 45c; lb., $1.25.

IMPROVED JERSEY PICKLE. 54 days. Owing to its light color it makes what pickle men call "light" pickles; excellent for "Gherkins." It is broader at the tip than at the stem end and nearly straight. It is very prolific. Our seed is very uniform. Pkt., 10c; oz., 20c; ¼ lb., 50c.

WEST INDIA GHERKIN. 60 days. A very small oval prickly sort, distinct from all others. It is grown for pickles only and must be used when young. Pkt., 15c; oz., 25c; ¼ lb., 65c.

SNOW'S FANCY PICKLING. 56 days. The type is shorter than the Chicago Pickle and is broad at the stem end, tapering slightly to the tip. The fruit being smaller, blight does not sap the strength of the vine to the detriment of a crop. We offer a strain of most carefully selected seeds from fields inspected by us. Pkt., 10c; oz., 20c; ¼ lb., 50c.

GREEN PROLIFIC OR BOSTON PICKLING. 58 days. Smooth, symmetrical pickle, very early and productive. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Salad Cucumbers

TWO distinct types of cucumbers are bred to fill the need for large fruits suitable for slicing to serve in salads, and the smaller, uniform, prolific, pickling varieties. Our special strains in both types are grown with the greatest care to insure that all standards of quality are maintained in your crop. **Quantity needed for 20 hills, 1 pkt.; 80 hills, 1 oz.**

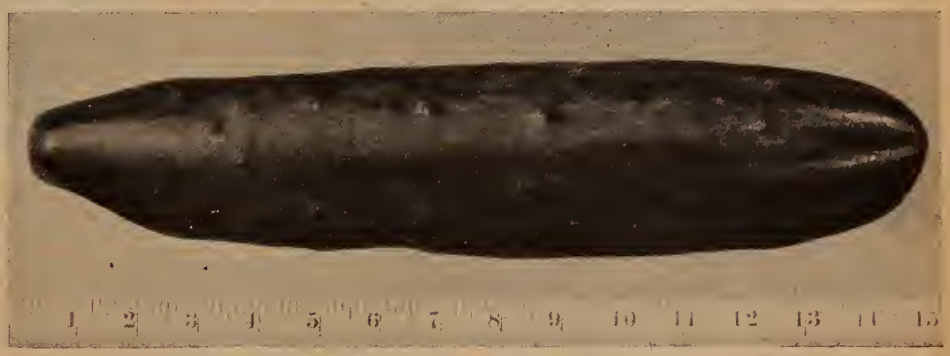
Home gardeners will have no trouble in producing from our strains fruits that not only excel in table quality, with distinctive flavor and crispness, but also are of exhibition quality in size and appearance. We recommend especially Mandarin, our new Chinese, earliest as well as of the highest quality, and The Vaughan, largest of outdoor varieties.

The seeds must be sown after the ground becomes warm, and the plants thinned to three or four to the hill. A very rich soil is the best precaution against insects and the blight. The striped beetle should be kept away from the young plants by liberal applications of Slug Shot, powdered arsenate of lead or tobacco dust.

CUCUMBER MANDARIN. Pkt., 10c.

★Mandarin. Matures in about 45 days. Earliest of any variety we have tried, this new variety, thanks to its Chinese blood, is also supreme in quality. The Chinese expert, Dr. Yamei Kin, sent us seeds of famous strains which we crossed with white spine varieties. Of many excellent offspring we have selected the best. It is 10 to 12 inches long, 1¼ to 1½ inches in diameter, a deep green, with the crispness and flavor for which Chinese cucumbers are noted. Pkt., 10c; oz., 25c; ¼ lb., 75c.

Colorado or "A and C". See Novelty Page. Pkt., 15c; oz., 25c; ¼ lb., 75c.



SPLENDID SALAD CUCUMBER—THE VAUGHAN. Pkt., 10c.

★The Vaughan. Matures in about 74 days. The largest of outdoor cucumbers, it is also of first table quality. Compared to other Long White Spine varieties, it is much darker in color, more uniform in shape and size, thinner, and more prolific. It is the ideal American forcing variety, as well as an outdoor sort. Our customers who grow it have greenhouse cucumbers raised outdoors. Pkt., 10c; oz., 25c; ¼ lb., 75c.

★Straight Eight. 60 days. A white spine which produces a high percentage of fruits perfectly straight, and 8 or more inches long, retaining shape and flavor under conditions which would make others crooked. Pkt., 10c; oz., 25c; ¼ lb., 75c.

CUCUMBER, EARLIEST OF ALL. 55 days. A fair size, dark green White Spine. Of special value in localities where blight prevents the maturing of the late and longer sorts; also of value in the south for first crop. Pkt., 10c; oz., 20c; ¼ lb., 50c.

CUCUMBER, EARLY FORTUNE. 58 days. Medium length White Spine, much planted in the south for shipment to the northern markets. Pkt., 10c; oz., 20c; ¼ lb., 50c.

VAUGHAN'S IMPROVED ARLINGTON WHITE SPINE. 60 days. A heavy yielder; symmetrical, straight, 7 to 10 inches long. A great favorite in the south. Pkt., 10c; oz., 20c; ¼ lb., 50c.

DAVIS PERFECT. 58 days. Fine length, slimness, beautiful dark green color and enjoyable crispness are qualities of this long white spine variety. Its extremely vigorous growth makes it the best blight resister of the long sorts. Pkt., 10c; oz., 25c; ¼ lb., 60c.

EXTRA LONG WHITE SPINE. 60 days. A great blight resister. 8 to 12 inches long. Select Stock. Pkt., 10c; oz., 25c; ¼ lb., 60c.

IMPROVED LONG GREEN. 68 days. Used for yellow chunk pickles. Vaughan's strain is improved and developed by re-selection. The vines are vigorous and productive; the fruit (12 inches long) is very firm and crisp and has a distinctive flavor. The best of the "black spine" varieties. Pkt., 10c, oz., 25c; ¼ lb., 65c.

JAPANESE CLIMBING. 58 days. This is a distinct variety, having a heavy vine and large leaves and being quite resistant to disease and insects. It is a black spine cucumber and may be used for pickling or slicing. It is good quality and of a dark green color when young, turning to a russet-yellow when ripe. May be used on a trellis if desired. Pkt., 10c; oz., 25c; ¼ lb., 60c.

IMPROVED WHITE SPINE. 58 days. Medium size, straight, always fine yielder; light green. Pkt., 10c; oz., 20c; ¼ lb., 50c

DELTUS. 72 days. A dark green cucumber nearly free from spine, may be used for forcing out of doors. Pkt., 10c; oz., 25c; ¼ lb., 65c.

WHITE WONDER. This variety of fine quality bears fruits 7 to 8 inches long which, when young, have pure white skin. Valued for table use and exhibition. Pkt., 10c; oz., 25c; ¼ lb., 65c.

FIRST RESISTANT CUCUMBER

SHAMROCK RESISTANT. Resistant to Mosaic, early, uniform and satisfactory as a slicer or small pickler. A white spine variety 6 to 8 in. long, bred by the Iowa Agricultural Experiment Station. Pkt., 15c; oz., 25c; ¼ lb., 65c.

ODD CUCUMBERS

LEMON CUCUMBER. 52 days. Not the same as the Garden Lemon, though similar in appearance. It is a real luscious flavored cucumber, a worthy addition to the list. Pkt., 10c; oz., 25c; ¼ lb., 75c.

SERPENT OR SNAKE. 80 days. A curious, usually much twisted cucumber. Pkt., 10c; oz., 25c; ¼ lb., 75c.

ENGLISH FRAME CUCUMBER

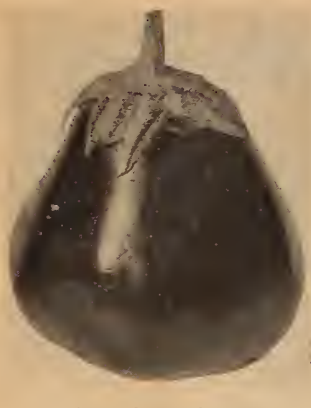
ROLLISON'S TELEGRAPH. 60 days. English greenhouse forcing. Pkt., 25c.

Chicory

WITLOOF (FRENCH ENDIVE). 120 days. A European delicacy now standard in all best hotels and restaurants in the U. S. It is easily grown. Sow in spring; store parsnip-like roots in sand until wanted for growing on in winter; directions on packages. Pkt., 10c; oz., 25c; ¼ lb., 75c.

Large Rooted Magdeburg. Roots are cut in thick slices, roasted and used as coffee; in spring leaves make good salad. Pkt., 10c; oz., 20c; ¼ lb., 50c.

★Asparagus Chicory. 80 days. Cultivated for its fresh green shoots, which are boiled in salt water and served hot, or in cold salad. They are tender and suggest the flavor of asparagus. New sprouts continually spring from the base, to be harvested and enjoyed. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., $1.00.



NEW YORK. Pkt., 10c.

BLACK BEAUTY. Pkt., 10c.

GREEN CURLED ENDIVE. Pkt., 10c.

VIENNA KOHLRABI EARLY WHITE. Pkt., 10c.

Egg Plant

EGG plant likes a rich, loamy soil. Plants should be set out in the garden as soon as danger of frost has passed, in rows three feet apart, the plants two feet apart. Our special strains excel in uniformity, flavor and yield.

★**Black King.** 90 days. In addition to being far earlier than other varieties, this new hybrid from Japan is a heavy yielder, a vigorous grower in the hottest weather, is free from disease, and of fine table quality. The fruit is about two-thirds as large as Black Beauty, but each plant will continue to bear from midsummer until frost, producing as many as thirty fruits. Pkt., 15c; ½ oz., 25c; oz., 45c; ¼ lb., $1.25.

IMPROVED NEW YORK PURPLE. 120 days. Plants grow low, stalky and branching, are early and almost continuous bearing; fruits are satiny smooth, rich purple color and large. Pkt., 10c; oz., 50c; ¼ lb., $1.50.

*BLACK BEAUTY. 110 days. Twelve days earlier than New York. It is oval in shape, uniformly the darkest in color. Perfectly spineless and smooth; has beautiful, rich purple color and handsome lustre. Pkt., 10c; oz., 60c; ¼ lb., $1.75.

Celeriac

TURNIP ROOTED CELERY

This vegetable deserves much wider cultivation. Cooked and prepared as a salad, it has a rich, celery flavor. The roots keep well in winter—recipes for preparing enclosed upon request.

LARGE SMOOTH PRAGUE. 120 days. Excels in quality, size and appearance. A main crop variety, nearly globe-shape and almost twice the size of Erfurt. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., $1.25.

Chervil

DOUBLE CURLED. 70 days. An aromatic plant resembling parsley but being superior in flavor. The leaves when young are used for flavoring and garnishing meats. Seed requires four to five weeks to germinate. Pkt., 10c; oz., 15c; ¼ lb., 35c.

Chives

A perennial herb, a member of the onion family which every garden should grow. The slender, tubular leaves have a delicate onion flavor, just enough to season a green salad when the chopped-up leaves are used. The seeds are used for seasoning. The flowers are a beautiful lavender. Pkt., 10c; ½ oz., 30c; oz., 50c; Plants, 3 for 65c; doz., $2.00; 100, $12.00.

Collards

A leafy plant having foliage similar to that of cabbage, but does not form a head. Is used as a greens and is adapted to districts where the cabbage does not head readily. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

Corn Salad

FIELD SALAD. 70 days. (Mache-Stick, Salat.) A most refreshing salad. Hardy, much used in winter in place of Lettuce. Sow either in spring or fall. Pkt., 10c; oz., 20c; ¼ lb., 60c.

Dandelion

THICK leaf or cabbage variety. Cultivated for spring greens, is fast gaining favor. Unlike common sorts, almost double usual size. Pkt., 25c; ½ oz., 40c; oz., 75c.

Endive

ENDIVE is a delightful autumn and winter salad. Sow seed from middle of June to the end of August. Frost improves the flavor.

★**Full Hearted Escarole.** (Broad Leaved, White.) 75 days. Of the straight, smooth leaf Batavian type, this variety has the largest number of heart leaves and the finest salad quality of any we have tried. It grows upright, resists drought, and when tied up for bleaching it produces a cluster of creamy, tender, spicy leaves which are easily prepared for serving. Pkt., 10c; oz., 25c; ¼ lb., 60c.

GREEN CURLED SUMMER. 70 days. Standard variety for fall and winter. Finely divided leaves make the plant appear mossy, and when centers are blanched it is most beautiful. Pkt., 10c; oz., 20c; ¼ lb., 50c.

GREEN CURLED WINTER. 75 days. Pkt., 10c; oz., 20c; ¼ lb., 50c.

MOSS CURLED. Pkt., 10c; oz., 20c; ¼ lb., 50c.

ROSE RIBBED CURLED. 75 days. A variety of the green curled type which has leaf ribs of red. Pkt., 10c; oz., 20c; ¼ lb., 50c.

EVER WHITE CURLED. 75 days. Very crisp. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Cress

UPLAND CRESS. 65 days. Has highly prized flavor of Water Cress. Green all year; ready for use before any other salad. Pkt., 10c; oz., 20c; ¼ lb., 50c.

CURLED GARDEN. 65 days. Used with Lettuce, it adds an agreeable pungency. Pkt., 10c; oz., 15c; ¼ lb., 35c.

WATER CRESS (Wasser Kresse; Cresson). 75 days. The pleasant flavor of Water Cress makes it one of the most delicate salads. It grows where there is a good supply of pure fresh water; it can also be grown in tubs of good soil in a shady place, if plenty of water is given it. Pkt., 15c; ½ oz., 30c; oz., 50c; ¼ lb., $1.50.

Finnochio

FENNEL, Florence. 75 days. One of the finest of Italian delicacies. It has an enlarged leaf base which should have the dirt drawn up around it when it is the size of a hen's egg. In a couple of weeks thereafter it may be served either as a salad or boiled with a cream dressing as celery. Height of plant, 2 feet. Directions for culture and use given with each order. Pkt., 10c; oz., 25c; ¼ lb., 75c.

Garlic Sets

SELECTED BAVARIAN. 110 days. Garlic is grown by planting the small bulbs in rows, 4 inches apart in the row. Cover the bulbs with one inch of soil. When the tops turn yellow, lift the bulbs and dry in the shade. To keep for the winter, hang in strings in a dry basement. Lb., 30c; 10 lbs., $2.50. Postage extra. Write for latest market prices on quantities.

Horseradish Sets

HORSERADISH. Roots produce good Radish, fit for use in one season's growth. Plant roots in trench, pressing small end down, and cover with 3 to 4 inches of soil. Raise the plant once in the early season, without disturbing the tap root end, and rub off all excess rootlets, recovering the plant as fast as accomplished. Doz., 40c; 100, $2.50; 1,000, $15.00.

Kohlrabi

Sow in April or May, in rows, thin to 8 inches. The globular fruits grow above ground, are stripped and cooked like Turnips, but are much sweeter.

★**Early White Vienna.** 60 days. White and tender. Pkt., 10c; oz., 25c; ¼ lb., 65c.

EARLY PURPLE VIENNA. 60 days. Pkt., 10c; oz., 25c; ¼ lb., 65c.

SHORT-LEAVED EARLY ERFURT. 50 days. For forcing in open ground. White flesh, very tender, short leaves. Pkt., 10c; oz., 30c; ¼ lb., 85c.

Kale or Borecole

Greens for early fall, winter and spring. Sow seed about middle of June, later transplant to rows 2 to 2½ feet apart. Dwarf sort can be sown later. Frost improves flavor.

DWARF GREEN CURLED KALE. 110 days. Leaves curly as Parsley, tender and very fine flavor. Immense quantities produced in south find ready sales in the north. Pkt., 10c; oz., 15c; ¼ lb., 35c.

VAUGHAN'S EXCELSIOR MOSS CURLED KALE. 110 days. Plants grow 18 to 21 inches high and produce as many as 50 edible leaves to a plant. Leaves very early and unsurpassed in flavor. Pkt., 10c; oz., 20c; ¼ lb., 40c.

TALL GREEN CURLED. 110 days. Pkt., 10c; oz., 15c; ¼ lb., 35c.

SIBERIAN. 110 days. Called "Sprouts" and "German Greens." Not so curly as Dwarf Green Kale. Plant dwarf, spreading and very hardy. Pkt., 10c; oz., 15c; ¼ lb., 35c.

Sea Kale

SEA KALE. Plant in rows 4 to 6 feet apart. Seedlings yield a crop third year. Pkt., 15c; ½ oz., 35c; oz., 60c; ¼ lb., $1.75.

Leek

Leeks are better if transplanted. Use a dibber, set the plant deep in the hole and do not fill it up but let the soil wash in. Leeks are cousins of the onions and their flavor is subtly different when used in stews. All varieties mature in about 130 days.

★**Elephant.** Largest of all leeks. Pkt., 10c; oz., 30c; ¼ lb., 85c.

LARGE MUSSELBURG. Enormous broad leaves, mild flavor. Good exhibition sort. Pkt., 10c; oz., 25c; ¼ lb., 75c.

BROAD SCOTCH or LONDON FLAG. Hardy; a strong plant, with broad leaves. Pkt., 10c; oz., 25c; ¼ lb., 75c.

LARGE CARENTAN. Pkt., 10c; oz., 25c; ¼ lb., 75c.

Martynia

The tender young seed pods, gathered when half grown, make excellent pickles. Pkt., 10c; oz., 20c.

Iowa City, Iowa.

Vaughan's Seed Store, Chicago, Ill.

Dear Sirs: I sent for Klondyke Watermelon seeds in the spring. We have the nicest and best watermelons; everyone that eats them say they are the best they ever tasted. The Vegetable Marrow, Zucca De Pergola, is fine; have one three feet long, am saving it for Rally Day at the church.

Respectfully, Laura Ressler.

Lettuces for Every Garden Month

ABOVE, LEAF LETTUCE GRAND RAPIDS. Pkt., 10c.

LEFT, OUR STRAIN OF NEW YORK NO. 515. Pkt., 10c.

QUICK, tender growth is necessary for quality lettuce. Our strains are selected for earliness, together with vigor in hot weather and slowness in running to seed, which is all-important in our midwestern summers. Discovery that green leaves are richer in Vitamin C than blanched leaves is reviving the popularity of leaf lettuces, which are easiest for the amateur to grow. For success with head lettuce, start early indoors, and transplant outdoors to rich soil which can be well watered, as soon as the ground can be prepared. Lettuce soil should be heavily manured or fed well with plant food rich in nitrogen, to stimulate leaf growth.

Romaine or cos lettuce is recommended to home gardeners. It produces tender leaves of fine flavor which may be served green or may be bleached by tieing up the heads, and it is as easy to grow as leaf lettuce. Head lettuce may be matured in the fall more easily than in the spring.

Quantity needed to sow: 30 ft., 1 pkt.; 250 ft., 1 oz.

LEAF LETTUCE

★Black Seeded Simpson. Matures in about 40 days. The excellent qualities of this variety have been constantly improved in our select strain. Its large leaves in the rich green color which give proof of Vitamin C content, are thin, tender and crisp, the inner ones forming a loose head. It is one of the most vigorous varieties in hot weather and being slow to run to seed, it gives a long harvest period. It is especially adapted to the needs of the home garden.

Vaughan's Selected Stock. Pkt., 10c; oz., 20c; ¼ lb., 50c.

GRAND RAPIDS. 45 days. This home garden favorite, also extensively planted for hotbed or greenhouse growing, is a curly leaved lettuce of upright habit, permitting close planting. An excellent keeper and shipper. The leaves are light green, daintily curled, tender and crisp. The flavor is delicious. Our selected stock has been bred to a high degree of uniformity in type and season.

Vaughan's Extra Selected Stock. Pkt., 10c; oz., 25c; ¼ lb., 65c.

EARLY CURLED SIMPSON. 40 days. A white seeded leaf lettuce of excellent quality. Pkt., 10c; oz., 20c; ¼ lb., 50c.

PRIZEHEAD. 45 days. A popular, large, loose heading sort. Leaves finely crumpled and fringed, outer ones shaded brown; very crisp, sweet and tender. Pkt., 10c; oz., 20c; ¼ lb., 50c.

A FAST GROWING HEAVY YIELDING GREENS FOR POULTRY

NEW CHICKEN LETTUCE. 48 days. Here is a genuine lettuce which will yield as much or more chicken or rabbit feed as any "greens" plant. When cut it starts at once to grow again. The leaves can be pulled off each stem like a kale. It sends up a stout stalk three or four feet high, loaded with leaves. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.25.

HEAD LETTUCE

★New York No. 12. Matures in about 75 days. This is the variety grown in California and shipped the year around to eastern markets. It is the largest of all head lettuces, often weighing two pounds. It matures slowly, first forming a conical head which becomes globular. It stands the hot weather well. Because of its size plenty of room must be given between plants. We offer the highly selected strain known on the Pacific Coast as No. 12. Our strain is specially selected for earliness and ability to withstand hot weather. Seed should be started indoors and the seedling plants can be set out when true leaves have been formed, as soon as the soil is prepared. Pkt., 10c; oz., 30c; ¼ lb., 75c.

★Iceberg. Matures in about 80 days. This makes a small head which is the tightest of any variety we know, and it resists hot weather well. Its leaves have small indents which fill with dew drops, giving the plant a crystalline appearance, hence its name. It is an excellent home garden variety and entirely distinct from New York, which is sometimes called Iceberg. Pkt., 10c; oz., 25c; ¼ lb., 60c.

★New York No. 515. Matures in about 75 days. This is a curled, crisp heading variety, large size, dark green. It is a cross between New York and Iceberg and was bred for resistance to tip burn, to which it shows strong resistance. Excellent for the home or market garden. Pkt., 15c; oz., 30c; ¼ lb., 75c.

★Improved Hanson. Matures in about 80 days. This tight-heading globe-shaped variety excels especially with its vigorous growth in hot weather, which makes it well adapted to midwest conditions. It has broad leaves, beautifuly crinkled, tender and sweet. The outside leaves are a deep green, and the inner ones almost white. Pkt., 10c; oz., 20c; ¼ lb., 50c.

VAUGHAN'S ALL SEASONS. 80 days. In 1879 we introduced this distinctive variety. It is still a favorite. Heads are large, solid and handsome. It stands hot weather well and is slow to run to seed. Pkt., 10c; oz., 20c; ¼ lb., 60c.

MAY KING. 60 days. Very early variety. The outer leaves are tinged with brown; they fold close, permitting close planting in frames—tender yellow heart. Pkt., 10c; oz., 20c; ¼ lb., 50c.

VAUGHAN'S BIG BOSTON. 75 days. With southern gardeners who ship north, this is considered the best early large heading sort. Its earliness makes it valuable for home gardeners in the north. Large heads of bright green leaves, very tender. One of the best varieties for forcing. Pkt., 10c; oz., 25c; ¼ lb., 60c.

WAYAHEAD. 80 days. As early as May King, but larger. Pkt., 10c; oz., 25c; ¼ lb., 60c.

CALIFORNIA CREAM BUTTER. 75 days. One of the best summer varieties, large solid heads, buttery flavor. Pkt., 10c; oz., 20c; ¼ lb., 50c.

UNRIVALED. 75 days. A light green strain of Big Boston. Pkt., 10c; oz., 25c; ¼ lb., 65c.

MAXIMUM OR IMMENSITY. 80 days. A heat resister and one of the largest. Pkt., 10c; oz., 25c; ¼ lb., 65c.

MIGNONETTE. 80 days. A delicious, crisp, solid, small lettuce. Pkt., 10c; oz., 25c; ¼ lb., 65c.

EXPRESS COS. Pkt., 10c.

ROMAINE OR COS LETTUCE

THIS type of lettuce forms upright loose folding heads, and the inner leaves bleach white. It is usually preferable to tie up the heads to assist bleaching. Esteemed the finest of lettuces in flavor.

EXPRESS COS. 60 days. A Vaughan introduction. The most dwarf and earliest of all. Delicious flavor. Self-closing. Pkt., 10c; oz., 20c; ¼ lb., 50c.

PARIS WHITE COS. 70 days. Grows to large size. Self-closing. Pkt., 10c; oz., 20c; ¼ lb., 50c.

TRIANON COS. 70 days. Similar to above, but grows whiter and matures earlier. Pkt., 10c; oz., 20c; ¼ lb., 50c.

HONEY ROCK. Pkt., 10c.

New Melons for North and South

TO ONE who has tasted a Vaughan's Milwaukee Market muskmelon ripened on the vine, quality in muskmelons has a new meaning. In no other crop does quality respond more quickly to careful breeding. Our special strains are selected for size, color, flavor, small seed cavity and thick flesh.

Remember, muskmelons must ripen on the vine. Except the Honeydew, they do not improve after picking. **Quantity needed for 20 hills, 1 pkt.; 100 hills, 1 oz.**

★Vaughan's Milwaukee Market. Matures in about 87 days. This is a large melon averaging 8 in. in diameter, with a small seed cavity and thick salmon flesh, which has the sweetest, most delicious flavor and the finest texture of any we know. It does not stand shipping. Its original quality has been increased by breeding on our Michigan farms, and has reached its highest point in seed from hand-cut, inspected melons.

Seed from hand-cut, inspected melons—Pkt., 15c; oz., 30c; ¼ lb., 75c.

Standard Seed—Pkt., 10c; oz., 25c; ¼ lb., 60c.

★Honey Rock (or Sugar Rock). 80 days. A wonderfully sweet melon with thick orange flesh and a distinctive flavor, suggesting the Honey Dew taste. It produces heavily and is the earliest quality variety. Oval fruits of medium size. An excellent home garden variety. Pkt., 10c; oz., 20c; ¼ lb., 50c.

★Weaver's Special. 85 days. Same season of Milwaukee, but flavor more like Honey Dew. Outer skin very pale, nearly smooth with some netting. Excellent flavor. Pkt., 10c; oz., 25c; ¼ lb., 60c.

★Imperial. 85 days. Pale cream color skin with small amount of coarse netting, but looking quite smooth. Yellow flesh and a faint Honey Dew flavor. Season of Milwaukee, very similar to Weaver's Special, but smaller and more subject to cracking. Pkt., 10c; oz., 25c; ¼ lb., 60c.

★Hearts of Gold. 88 days. The best salmon-fleshed Gem Melon. Introduced by Vaughan's Seed Store. Quality fine grained, not stringy, and of the sweetest flavor. Size and shape—just right, so it may be served cut in halves. Flesh and color—deep orange, extremely thick. Pkt., 10c; oz., 20c; ¼ lb., 50c.

★Bender's Surprise. 90 days. Large, thick-fleshed, heavily netted. Its flavor is wonderfully sweet, with almost no stringiness. An excellent home garden variety. Pkt., 10c; oz., 20c; ¼ lb., 50c

★Pride of Wisconsin.— See Page 14. Pkt., 10c; oz., 25c; ¼ lb., 65c.

VAUGHAN'S PAUL ROSE. 88 days. Another introduction of Vaughan's Seed Store, the result of crossing Osage and Rocky Ford. It is an ideal marketing melon. Pkt., 10c; oz., 20c; ¼ lb., 50c.

PERSIAN. 102 days. Perhaps the largest of all quality melons, but with too long a season to mature in the north. A fruit will weigh 10 lbs., almost spherical in form, heavily netted, with thick pink flesh, fine flavor. Pkt., 15c; oz., 25c; ¼ lb., 65c.

VAUGHAN'S SELECT EARLY OSAGE. 87 days. Not as large as Osage, but of equal quality. Pkt., 10c; oz., 20c; ¼ lb., 50c.

EARLY KNIGHT or Sweet Air. 95 days. Pkt., 10c; oz., 20c; ¼ lb., 45c.

TIP TOP. 96 days. It is yellow-fleshed, sweet, juicy; of finest flavor. A strong grower and yielder. Pkt., 10c; oz., 20c; ¼ lb., 50c.

HONEY DEW. 110 days. An old-time French melon imported by Vaughan's Seed Store for a melon specialist in Michigan; later found of good commercial value. Honey Dew is best when quite ripe. Unlike other melons, it grows sweeter after being picked. Pkt., 10c; oz., 25c; ¼ lb., 60c.

HALE'S BEST. 75 days. Pkt., 10c; oz., 20c; ¼ lb., 50c

GOLDEN CHAMPLAIN. 87 days. Pkt., 10c; oz., 15c; ¼ lb., 40c.

BANANA. 94 days. Cucumber shape. Delicious odor. A novelty melon for the home garden. Pkt., 10c; oz., 20c; ¼ lb., 50c.

VAUGHAN'S OSAGE GEM. 92 days. Pkt., 10c; oz., 20c; ¼ lb., 50c.

EMERALD GEM. 87 days. Pkt., 10c; oz., 20c; ¼ lb., 50c.

MANGO MELON OR VEGETABLE PEACH. Makes splendid mangoes, stuffed like peppers. For sweet pickles, pies and preserving. Cooking directions on packets. Pkt., 10c; oz., 25c; ¼ lb., 75c.

THE ROCKY FORD TYPE

ROCKY FORD NETTED GEM. 96 days. Of the green-fleshed muskmelons, Rocky Ford is the recognized standard of excellence. Pkt., 10c; oz., 20c; ¼ lb., 50c.

POLLOCK, 10-25. 98 days. Salmon tint. Pkt., 10c; oz., 20c; ¼ lb., 50c.

EDWARDS PERFECTO. 96 days. "Salmon-Fleshed Rocky Ford." Pkt., 10c; oz., 20c; ¼ lb., 50c.

Watermelons

WATERMELONS may be grown under favorable conditions in the north though it requires 100 to 120 days to mature. Soil such as will mature good muskmelons is needed, with plenty of hot weather and no lack of water. Room for the vines to wander is required, preferably 8 to 10 feet between hills both ways. Avoid lifting the vines and use only hand tools in cultivation. **Quantity needed for 8 hills, 1 pkt.; 25 to 30 hills, 1 oz.**

★Stone Mountain. 82 days. A new round melon having red flesh free from stringiness. Very productive and excellent for home use. Pkt., 10c; oz., 20c; ¼ lb., 50c.

★Stone Mountain Resistant No. 5. Pkt., 10c; oz., 25c; ¼ lb., 65c.

★Ice Box.— See Novelties. Pkt., 10c; oz., 20c; ¼ lb., 50c.

★Cole's Early. 80 days. The northern states' favorite. The flesh is rich, deliciously sweet and crisp. It is about 20 inches long, 12 inches through, not a good shipper. Pkt., 10c; oz., 15c; ¼ lb., 35c.

★Dixie Queen Watermelon: 80 days. The latest. It is semi-round, has very thin rind but stands shipping. Has white seed and deep red flesh. One of the sweetest. Pkt., 10c; oz., 20c; ¼ lb., 50c.

★Red Russian. 75 days. Outside very similar to Harris Early with strippings a little narrower. Flesh very deep pink, brown seeds, thin rind and very solid center. Few days earlier than Harris but preferable eating quality. Pkt., 10c; oz., 20c; ¼ lb., 50c.

KLONDYKE. 90 days. This is known as the best long black watermelon grown in California. The seeds are small, flesh a deep red. It has a remarkable flavor, stands short distance shipping but is more of a home type. Pkt., 10c; oz., 20c; ¼ lb., 45c.

TOM WATSON. 92 days. The flesh is rich red; tenderly melting. Pkt., 10c; oz., 15c; ¼ lb., 35c.

SWEET SIBERIAN. 86 days. A very early variety of Russian origin. The melon is dark, of medium size, with yellow flesh of superb quality. Pkt., 10c; oz., 20c; ¼ lb., 50c.

NEW WONDER. 87 days. Similar to Kleckley's in shape, but larger and has harder rind. Pkt., 10c; oz., 15c; ¼ lb., 45c.

IRISH GREY. 90 days. A mottled greenish grey, equal of any. Pkt., 10c; oz., 20c; ¼ lb., 45c.

WILT RESISTANT KLECKLEY'S NO. 6. 92 days. Watermelon Wilt has become serious in some sections. By breeding and selection, this strain of Kleckley's has been secured that is quite resistant. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

CITRON. 90 days. For preserves. Pkt., 10c; oz., 15c; ¼ lb., 35c.

WINTER WATERMELON. Like Honey Dew in size and long-keeping qualities. Prolific, and excellent flavor. Pkt., 10c; oz., 20c; ¼ lb., 50c.

RED RUSSIAN. Pkt., 10c.

OTHER GOOD WATERMELONS

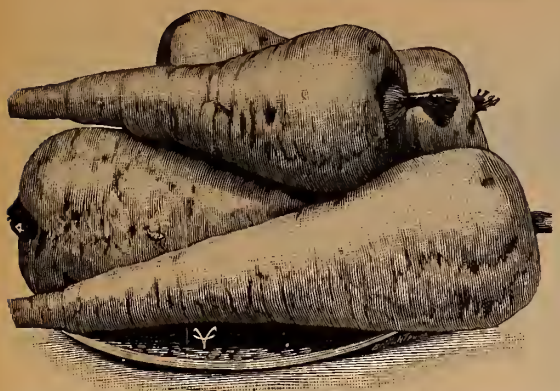
RATTLESNAKE OR GYPSY STRIPED. 85 days.

ALABAMA SWEETS. 90 days.

HALBERT HONEY. 87 days.

HARRIS EARLIEST. 80 days.

Any of above: pkt., 10c; oz., 15c; ¼ lb., 35c.



VAUGHAN'S MARROWFAT PARSNIPS. Pkt., 10c.

Parsnips

PARSNIPS may be harvested at times when the garden has little else to offer. Let them remain in the ground over winter, and dig them during a thaw or when the spring thaw comes—they will be as sweet and tender as ever. A freeze is required to sweeten them. For the best results deep soil is needed, and fresh manure should not be used as it will cause the roots to divide. **Quantity needed to sow 25 ft., 1 pkt.; 150 ft., 1 oz.**

★Vaughan's Marrowfat. The accompanying illustration tells the story of uniform good size, fine shape, clean, smooth skin, and general handsome appearance which distinguishes this high-class variety. In richness of flavor it is unequaled. For exhibition purposes it is a winner. Pkt., 10c; oz., 20c; ¼ lb., 45c.

MAGNUM BONUM. A greatly improved strain of "Hollow Crown" Parsnip. As a money-maker for market men we recommend it. It is a heavy cropper, the roots are smooth, but not so long, though somewhat thicker than the original, which makes them easier to harvest. Pkt., 10c; oz., 15c; ¼ lb., 40c.

HOLLOW CROWN, LONG SMOOTH. (Abbott's Improved.) Smooth, large, tender and sugary; one of the best. Our strain is a good selection. Pkt., 10c; oz., 15c; ¼ lb., 35c.

IMPROVED GUERNSEY. An improvement over the parent, "Hollow Crown," than which it is much larger in diameter, but not so long. The roots are more easily gathered. This sort gives general satisfaction. Of excellent sugary flavor. Pkt., 10c; oz., 15c; ¼ lb., 35c.

EARLY HALF LONG. This parsnip makes a fine garden vegetable. The tops are only about half the size of Hollow Crown. The roots are short and thick, having a diameter of 2½ to 3½ inches and a length of only 6 or 8 inches at the thickened part. Fully a month earlier than Hollow Crown, it often reaches full size in 100 days from planting time. Pkt., 10c; oz., 15c; ¼ lb., 40c.

Pick of the Parsleys

PARSLEY should be sown early because it is very slow to germinate; and it is best to use radish seed mixed with the parsley seed to mark the rows.

Rich and mellow soil is desirable for best results. When the plants are well up, thin to 8 to 12 inches in the row. When the plants of the curled varieties are about three inches high, cut off all the leaves. New growth will be brighter and better curled.

The rooted parsley provides excellent flavoring for soups and stews. **Quantity needed to sow 50 ft., 1 pkt.; 200 ft., 1 oz.**

★Vaughan's Champion Moss Curled. Robust, compact plants are quickly produced; the leaves are so crumpled and curled as to have the appearance of curled moss, with rich, green color; it is quite hardy, slow to run to seed and may be grown in pots or window boxes. Pkt., 10c; oz., 25c; ¼ lb., 50c.

FERN LEAVED. Leaves so nicely and delicately cut as to resemble the fronds of a fern. Good green color and flavor. Pkt., 10c; oz., 25c; ¼ lb., 50c.

VAUGHAN'S XXX PARSLEY. The daintily curled leaves of delicate green, appetizingly fresh and beautiful, add zest and richness to substantial or delicate viands. It grows very dwarf in the garden—many of our customers plant it as a border. It also is valuable in the hotbed, greenhouse, or in pots in winter, taking small space. Vaughan's XXX Parsley was chosen after many trials and a careful inspection trip through Europe. Pkt., 10c; oz., 20c; ¼ lb., 50c.

PARSLEY, CHAMPION MOSS CURLED. Pkt., 10c.

PARSLEY—Continued.

PLAIN or ITALIAN. The leaves are not curled. However, the flavor is excellent and plant is very hardy. Pkt., 10c; oz., 15c; ¼ lb., 35c.

DOUBLE CURLED. A very fine dwarf, handsome green, curled variety. Pkt., 10c; oz., 15c; ¼ lb., 40c.

HAMBURG ROOTED or GERMAN. The root resembles a small parsnip. Used for flavoring soups. Our strain is exceptional. Pkt., 10c; oz., 20c; ¼ lb., 50c.

New Giant Peppers

LIKE egg plants and tomatoes, peppers should be started indoors, as they take four to five months to mature. They are easy to grow, thrive in cool weather and will endure some frost. The plants should stand eight to eighteen inches apart in rows. They are constantly becoming more popular, both in salads and for use in cooking. A dozen plants will supply an average family. **One packet produces 75 plants; one ounce, 1000 plants.**

★California Wonder. A mild, sweet, mid-season variety, very large, measuring 4½ inches in length by 4 inches in diameter. It resembles Chinese Giant in form, but has much thicker flesh. It has a crimson fruit. One of the heaviest peppers grown, not as prolific as some but much more desirable. Pkt., 15c; ½ oz., 40c; oz., 70c.

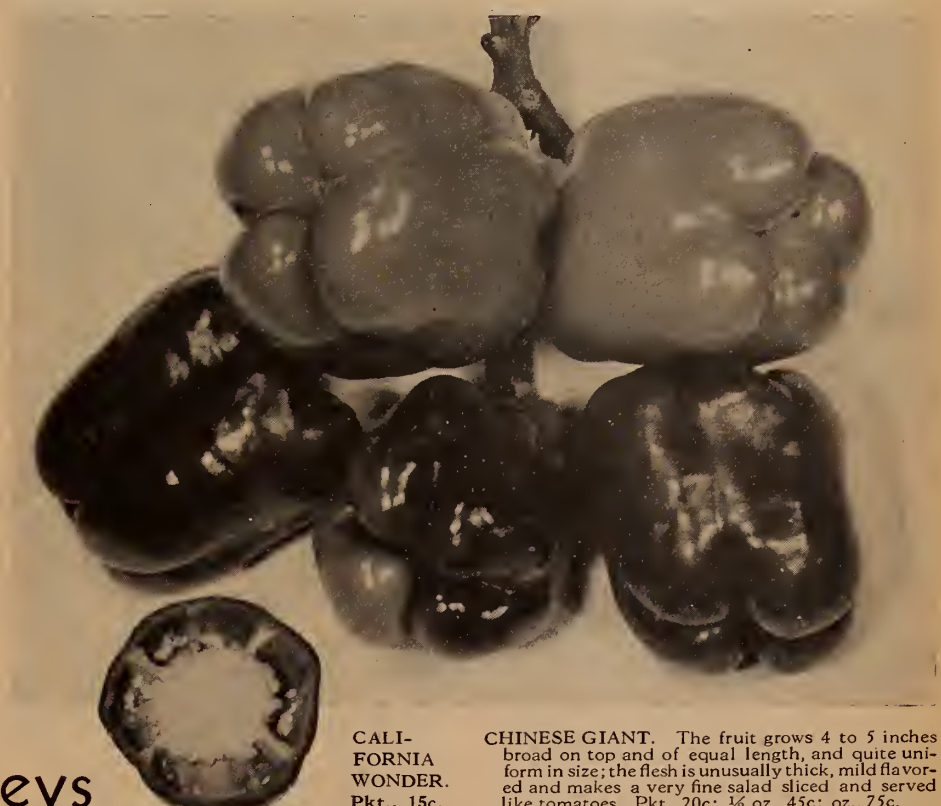
★"Windsor A." —See Novelties for description. Pkt., 20c; ½ oz., 45c; oz., 75c.

★Vaughan's Giant Magnum Dulce. This fine mild pepper can be grown to immense size—7 inches long and 4 inches through—but when grown so large the yield is small. To get a large yield of medium sized peppers, pinch off the first buds. Pkt., 15c; ½ oz., 40c; oz., 70c.

★Harris' Early Giant. This is the heavy yielder among the large peppers. It is also earlier than other large kinds. The plants are vigorous, 18 inches tall, and the peppers 4 by 4½ inches. Color, deep green turning to red; flesh thick and very sweet. Pkt., 15c; ½ oz., 40c; oz., 70c.

WORLD BEATER. Fruits 5 inches long by 3½ in. diameter; flesh thick and mild; very productive and a good shipper. Pkt., 10c; ½ oz., 35c; oz., 60c.

CRIMSON GIANT. One of the earliest large red sweet peppers. In habit the plant grows two and one-half feet high and bears a large quantity of fruits. The peppers are large, deep green when young and a rich red when ripe; flesh thick, sweet and mild. Pkt., 10c; ½ oz., 45c; oz., 75c.



CALIFORNIA WONDER. Pkt., 15c.

CHINESE GIANT. The fruit grows 4 to 5 inches broad on top and of equal length, and quite uniform in size; the flesh is unusually thick, mild flavored and makes a very fine salad sliced and served like tomatoes. Pkt., 20c; ½ oz., 45c; oz., 75c.

HUNGARIAN. A long, slender type of hot pepper much prized for canning. It is 1½ inches in diameter at the base and often 10 inches long. Pale green turning to red. Pkt., 15c; ½ oz., 40c; oz., 70c.

RUBY KING. One of the most popular varieties, growing 4½ to 6 inches long, 3½ to 4 inches thick. The peppers are a bright ruby-red and quite sharp in flavor. Pkt., 10c; oz., 45c.

BULL NOSE, HOT. A pungent very early pepper. Pkt., 10c; oz., 45c.

PIMENTO PERFECTION. Flesh extremely thick and very mild. Must be started early in the north to mature. Pkt., 10c; ½ oz., 20c; oz., 35c.

LARGE BELL. Large, mild. Pkt., 10c; oz., 45c.

CAYENNE. Long, red, hot. Pkt., 10c; oz., 50c.

VAUGHAN'S SWEET MOUNTAIN. The fruit when young is a bright, deep green, without shade of purple; when ripe a handsome red. The habit of growth is strong and it is very productive; the flesh is very mild and thick. The peppers often grow 6x4 inches. Pkt., 10c; oz., 50c.

OTHER PEPPER SORTS

SWEET SPANISH MONSTROUS. Very mild to the taste. Late. Pkt., 10c; ½ oz., 30c; oz., 50c.

GOLDEN QUEEN. Pkt., 10c; ½ oz., 35c; oz., 65c.

TABASCO. Hottest of all. Pkt., 10c; ½ oz., 35c; oz., 60c.

RED CHILI. Good hot pickling. Pkt., 10c; ½ oz., 50c; oz., 75c.

Grow Your Own Mushrooms

TO GROW a crop of Mushrooms in your own basement cellar or well-built outbuilding—is a home gardening effort worth making. While these are quickly salable, we are sure most of our readers would insist on eating their own crops! The location of the beds must be one where a temperature of 55 degrees to 65 degrees can be kept during cold weather. A barrel may be used in which to confine the manure for growing. We give FREE with orders for our Mushroom Spawn a leaflet, "How to Grow Mushrooms."

Ask for Directions, How to Grow Mushrooms on Lawns and Pasturelands.

PURE CULTURE BOTTLE SPAWN

This spawn is made in glass jars under absolutely sterile conditions, so that every mould, weed seed or insect is destroyed and each bottle contains nothing but pure spawn. One carton equals 5 bricks of ordinary spawn and is sufficient to spawn about 40 square feet. The Spawn is dried thoroughly and wrapped in paper and packed in cartons, with full directions how to grow mushrooms.

Per carton.....$ 0.90 — 25 cartons for...$18.75
12 cartons for... 9.00 — 50 cartons for... 36.50

If wanted by Parcel Post allow for postage at zone rate, weight about 1 lb. per carton.

PURE CULTURE BRICK SPAWN

One brick will spawn 8 to 10 square feet and comes in pure white and cream.

Per brick.....$ 0.35 — Per 10 bricks....$ 2.75
Per 5 bricks.... 1.50 — Per 25 bricks.... 5.50
Per 50 bricks.... 10.00 — Per 100 bricks... 18.00

If wanted by Parcel Post add postage at zone rate, weight about 1 lb. per brick.

Mushroom Cartons—lb. size $1.75 per 100 or $16.00 per 1000, postage at zone rate, 100 cartons weighing 11 lbs.

Mustard

Leaves useful as salad or boiled like Spinach. Matures in 30 days.

CHINESE SMOOTH. Large, light green, smooth leaves, borne well above the ground. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 75c.

FLORIDA BROADLEAF. Upright growing, deep green leaves, fairly smooth. Desirable for greens because of the ease of preparing and its pleasant pungent flavor. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 75c.

GIANT SOUTHERN CURLED. Large leaves often measure 14 inches; ready for use in about six weeks after sowing. Plants will continue to yield until frosty weather. Leaves boiled like spinach. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 75c.

IMPROVED OSTRICH PLUME (Fordhook). The handsomest of the mustards. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 75c.

SOUTHERN CURLED LONG STANDING. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 75c.

WHITE. Good for general use. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 65c.

New Greens

TENDERGREEN. A new variety of greens, producing only a small root, but large dark green leaves having a small rib. It is the only vegetable that is ready for table or market in 21 to 25 days after planting, and will produce 8 to 9 crops a year. An excellent addition to the list of greens. Pkt., 10; oz., 15c; ¼ lb., 25c; lb., 60c.

Okra

OKRA pods are used in soups, stews and salads. It is a hot weather plant, but can be grown in the North much like corn, the plants being started indoors in paper pots. The pods should be gathered each day while still tender and pulpy. **Matures in about 50 days.**

Quantity needed for 15 ft., 1 pkt.; 50 ft., 1 oz.

WHITE VELVET. Produces pods larger than any other. Pkt., 10c; oz., 15c; ¼ lb., 25c.

TALL or PERKINS MAMMOTH. The long pods, measuring 4 and 5 inches, are produced in great quantities. Pkt., 10c; oz., 15c; ¼ lb., 25c.

DWARF LONG POD. Low, stocky and productive, with long pods as illustrated. Pkt., 10c; oz., 15c; ¼ lb., 25c.

WHITE RED YELLOW
VAUGHAN'S BOTTOM ONION SETS

Onion Sets and Plants

THE first home garden harvest in the spring is young onions from sets. If perennial sets are planted in the fall, a crop is reaped long before the first outdoor seeds have sprouted. Spring sets can be put into the ground as soon as it is able to be worked and in a few weeks the delicious young onions are ready to serve on the table. Plantings may be successively late into the summer, as long as the sets remain in good condition.

Quantity needed for 75 to 100 ft., 1 qt.

WHITE BOTTOMS. Our sets of these are very choice, small, dry and unsprouted. Pt., 20c; qt., 30c; ½ pk., 60c; pk., $1.00.

YELLOW BOTTOMS. Fine dry sets, medium in size and unsprouted. Pt., 20c; qt., 30c; ½ pk., 50c; pk., 70c.

RED BOTTOMS. Bright, deep red in color, even and dry. Pt., 20c; qt., 30c; ½ pk., 50c; pk., 70c.

GLOBE SETS. Red, yellow and white. Pt., 20c; qt., 30c; ½ pk., 65c; pk., $1.15.

EGYPTIAN OR RED PERENNIAL. This variety never forms a large bulb; its value lies wholly in its **special adaptability to produce green Onions** for spring or fall use which are perfectly hardy and stay in the ground all the time. We sell in fall only, to be planted for early spring crop. Pt., 20c; qt., 35c; ½ pk., 60c; pk., $1.00.

WHITE MULTIPLIERS. Especially valuable for the First Early Spring Bunch Onion. They are of a pure silvery-white color which runs well up the stem, and in flavor, very mild and sweet, far superior to the green onions from other sets. There are usually several stalks from a single bulb and in this way they are very productive. Their most important quality is extreme earliness, being ready for eating ahead of any other kind. Pt., 25c; qt., 40c; ½ pk., 95c; pk., $1.75.

SHALLOTS OR YELLOW MULTIPLIERS. Flavor much superior to ordinary onions. Pt., 25c, qt., 35c; ½ pk., 65c; pk., $1.15.

GOLDEN GLOBE. Sets. Pt., 25c; qt., 35c; ½ pk., 65c; pk., $1.15.

BERMUDA ONION PLANTS

These are especially suitable for home gardens. Seed is sown early in Texas, and the plants are lifted, to be replanted in Northern gardens, to produce sweet, mature onions of Bermuda quality. Ready April 1st. Per 100, 30c, postpaid. Per 1000, $2.00, postage extra; weight about 6 lbs.

The largest onions may be grown from sets ½ to ¾ inches in diameter. Golden Globe or Riverside sets are best for this purpose.

Pint and quart prices for Onion Sets shown on this page include Parcel Post prepayment through first three zones. For further zones add 5c per pound. In figuring cost remember each quart weighs 1½ pounds.

Onion Seed of Flat and Pickling Types

WHITE PORTUGAL OR SILVERSKIN. 95 days. This beautiful white onion is a splendid sort for growing white onion sets, pickles and for early bunching green onions. Vaughan's White Portugal or Silverskin is a medium size bulb, flat shape, as shown in the illustration. It has fine mild flavor, and is best of the white onions for keeping. Pkt., 10c; oz., 30c; ¼ lb., 80c; lb., $2.50.

BROWN AUSTRALIAN (Flat). 95 days. A very desirable onion of medium size, with amber brown skin and solid white flesh. It is early, a heavy yielder and a long keeper; keeps well in warm climates. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $1.75.

ITALIAN ONION SEED

VAUGHAN'S PICKLING. 70 days. One of the best white onions for pickling; it is small, round, hard, crisp and tender, early and ripens uniformly. A very handsome sort with opaque white skin. Excellent for green onions. Pkt., 10c; oz., 30c; ¼ lb., 80c; lb., $2.50.

WHITE PEARL. 70 days. Remarkable for earliness and very mild flavor, it is small and white-skinned. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.25.

OKRA DWARF LONG POD IN OUR TRIALS.

Quantity needed for 25 ft., 1 pkt.; 125 ft., 1 oz.

GOOD PICKLER — FINE KEEPER

WHITE PORTUGAL. Pkt., 10c.

WHITE BARLETTA. 65 days. Beautiful waxy white. Pkt., 10c; oz., 25c; ¼ lb., 70c; lb., $2.25.

STRASBURG OR YELLOW DUTCH. 100 days. Large and more flat than Yellow Danvers, has white flesh of fine grain, mild, well flavored—a splendid yellow onion for sets. Our seed is very carefully grown and has no superior. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.25.

Bermuda Onion Plants started in Texas and sent North to grow on in your garden will give you backyard Bermudas with little trouble.

Winter Onions

★Southport Yellow Globe. 110 days. The Vaughan strain of this ball-shaped onion is the most uniform on the market today. Our Eastern seed bulbs are hand sorted and grown under our direct supervision. The ideal Golden Yellow market onion.

Eastern-Grown Seed—Finest type; sold by us for many years. Pkt., 15c; oz., 40c; ¼ lb., $1.00; lb., $3.50.

California-Grown Seed—Pkt., 10c; oz., 30c; ¼ lb., 90c; lb., $3.00.

SOUTHPORT RED GLOBE. 120 days. A little deeper than Southport Yellow Globe, in color a rich dark red. California grown seed produces a lighter colored onion. A wonderful keeper with finely bred neck and a heavy yielder. Pkt., 10c; oz., 30c; ¼ lb., 80c; lb., $2.50.

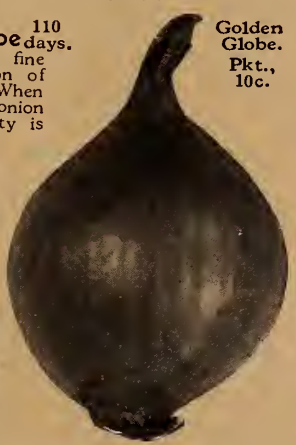
VAUGHAN'S SPECIAL YELLOW GLOBE. 90 days. ("MOUNTAIN" DANVERS.) Slightly smaller than Southport. When aphis damages the late onion crop it does not harm this variety, due to early maturity. Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., $2.75.

LARGE RED WETHERSFIELD. 100 days. An onion of very productive habit and a fine keeper. The skin is deep purplish red, which covers a round, somewhat flattened bulb of purplish white flesh. Moderately fine grain and mild flavor. In poor soil it does best, growing a thinner neck than in strong soil. It is standard in its class in the south and southwest. Pkt., 10c; oz., 25c; ¼ lb., 70c; lb. $2.25.

FANCY YELLOW GLOBE DANVERS. 110 days. This is early, almost true globe-shaped, beautiful yellow skin, pure white flesh, of very fine quality. It has a good size, and a fine thin neck. Vaughan's strain is so near to globe-shape that it passes for globe on the market. The crop ripens uniformly at one time, and its keeping quality is excellent. Pkt., 10c; oz., 30c; ¼ lb., 90c; lb., $3.00.

BRIGHAM YELLOW GLOBE ONION. A strain of Southport Yellow Globe, grown and selected for years by Mr. Brigham of Decatur, Mich. While not as uniform in shape, it is among the best in production and keeping qualities. It may be grown successfully on either muck or heavy soil. Pkt., 10c; oz., 30c; ¼ lb., 90c; lb., $3.00.

★Golden Globe 110 days. An exceptionally fine yellow globe onion of superior weight. When grown as a dry onion its keeping quality is superior, making it very desirable for the home and market gardener. Has a very deep globe, carrying its greatest diameter well up from the root. Has 3 skins for protection and from seed matures same time as Southport Globe. From sets it matures much earlier. It is a heavy yielder and a fine keeper. Pkt., 10c; oz., 40c; ¼ lb., $1.00; lb., $3.50.



Golden Globe. Pkt., 10c.

OHIO YELLOW GLOBE. 110 days. Of uniform shape, beautiful color and fine size, it out-classes the old type Yellow Globe Danvers. Its finely bred neck, large size, solid flesh of mild sweet quality, uniform growth, heavy yielding and superb keeping quality have made it a favorite. Pkt., 10c; oz., 30c; ¼ lb., 90c; lb., $3.00.

VAUGHAN'S IDEAL WHITE GLOBE. 120 days. A strikingly handsome onion; very early, ripens evenly and is a fine keeper; the small, high-bred neck tells the story of quality; it is a true globe, pure white. Pkt., 10c; oz., 45c: ¼ lb., $1.15; lb., $3.75.

JAPANESE OR EBENEZER. 100 days. There has been a tremendous demand for this yellow skinned onion for the growing of Onion Sets. Japanese Onion Sets produce a much larger tonnage of marketable onions than does the old Strasburg or Danvers. Moreover, a smaller per cent of the sets run to seed. Ebenezer is a fine keeper, mild and well flavored. Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., $2.75.

★

Varieties designated by a star as illustrated above are recommended as of especially fine strains and suited to the home garden.

TYPICAL FRUIT OF RIVERSIDE SWEET SPANISH (LIFE SIZE). Pkt., 10c.

Grow Your Own Bermudas

ONIONS are of two general types, the hard, dry type grown for winter use, in which uniformity of shape, thickness of skin, and size are quality points; and the much larger, juicier and milder Spanish or Bermuda type, which is eaten raw in salads in both the sprout and the bulb stage.

Our strains are grown from mature onions which have been carefully inspected for conformation to type, and excel in productiveness and uniform quality. The small additional cost over ordinary seed is insignificant compared to the great improvement in your crop. **Quantity needed to sow: 25 ft., 1 pkt.; 125 ft., 1 oz.; acre, 6 lbs.**

★Riverside Sweet Spanish. 110 days. This is a California grown strain of the Spanish (Denia) onion. With us it grows larger than the American Prizetaker and does not produce the "stiff-necks" usual in the Spanish type. It is the most popular onion in Southern California and when grown as a specimen attains enormous size, 4 to 4½ pounds. In color it has a cream or pale yellow tint. Pkt., 10c; oz., 35c; ¼ lb., 85c; lb., $2.75.

★Riverside White Spanish. 110 days. Largest of the Spanish type, bred from parents noted in Spain for size and mild flavor. It is unequaled for the production of tender, mild green onions for table use, and if grown to maturity produces a large white bulb of remarkable keeping qualities. We recommend it to home gardeners for eating raw both as green onions and in its mature stage. Pkt., 10c; oz., 40c; ¼ lb., $1.00; lb., $3.25.

★Prizetaker—American Grown. 100 days. Among large onions this one is exceptional for size and beauty; it is of the same type as the large Spanish onions, imported and sold for high prices. Vaughan's American-grown seed has become thoroughly acclimated through many years of very careful, painstaking culture. Prizetaker is a yellow globe that matures to great size under right conditions; it requires a long season and should be started early in hotbed. When properly ripened it is a good keeper. Pkt., 10c; oz., 25c; ¼ lb., 70c; lb., $2.25.

CRYSTAL WHITE WAX. 60 days. This is a pure white flat onion, very popular in the south, especially in Texas. Will make but small onions in the north. Very sweet. Teneriffe seed. Pkt., 10c; oz., 30c; ¼ lb., 90c; lb., $3.00.

YELLOW BERMUDA. 60 days. In Bermuda and Texas a great many carloads of these very large onions are produced annually; they are shipped north for early spring use. Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., $2.75.

MAMMOTH SILVER KING. 100 days. Averages 15 to 22 inches in circumference and weighs 2½ to 4 lbs. It matures early and is uniformly large and of good shape. Flat, but thick. Pkt., 10c; oz., 30c; ¼ lb., 80c; lb., $2.50.

AILSA CRAIG—Vaughan's Selected Stock. 115 days. It has a handsome appearance, being large—12 have been known to weigh 30 pounds—it has fine straw-colored skin; these qualities make it excellent for exhibition purposes. The shape is globular and it forms a fine thick neck. It is, for a large onion, a splendid keeper; for eating raw it has no superior. Pkt., 10c; oz., 35c; ¼ lb., 85c; lb., $2.75.

BUNCHING ONIONS

EARLY WHITE WELSH ONION. 100 days. The best winter bunching onion; forms no bulb. Plants can be propagated from seeds or divisions. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.50.

WHITE BUNCHING ONION. 60 days for bunching; 120 days to mature. A European onion for early spring and summer bunching. Makes a very nice white tender stalk. Pkt., 10c; oz., 30c; ¼ lb. 90c; lb., $3.00.

HE-SHI-KO Or Japanese Bunching Onion. Sow early in the spring and harvest green onions all the summer. It is much superior to the Early White Welsh in having larger leaves, longer stalks and remaining tender much longer. Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., $2.75.

Eat Your Own Peas Six Weeks for 25c

TYPICAL CLUSTER OF LITTLE MARVEL PEAS. Pkt., 10c.

Sow in Early Spring
LITTLE MARVEL—Dwarf, Early
HUNDREDFOLD—Dwarf, Main Crop
GIANT STRIDE—Dwarf, Late
1 Pkt. of Each (3 pkts.),.....25c.
½ lb. of each (1½ lbs.),.....45c.
1 lb. of each (3 lbs.),.....85c.

PEAS are rich in sugar, which begins to turn to starch when they are picked; thus home gardeners alone can enjoy this crop at its best. It is said that the more wrinkles a pea has, the more sugar. Smooth seeded varieties are not so sweet and tender, but they can be planted earlier, as they resist rot.

Where hot dry summer weather cuts short the crop, the problem is to get the heavy yield, large size and sugar content of the late sorts into early yielding varieties which will bear a crop before the summer's drought arrives. Our strains are selected for these qualities. **Quantity needed for 100 ft., 1 lb.**

Pea Cultural Notes

Peas are a cool-weather crop. They should be sown when the ground is ready to work, without delay. The smooth seeded sorts will stand cold and freezing weather without rotting in the ground, but they are not so tender or sweet on the table as the wrinkled kinds, which are more risky in the wet soil, but still worth taking a chance to get early. Dwarf peas are best suited for the garden where space is scarce. They are early and bear well. It is important to have rich soil, somewhat light, and to give plenty of water if a full crop is to be produced. It will pay to use a balanced commercial fertilizer in the row when the seeds are sown. Do not crowd the seed. It is better to sow in single rows, with two inches between the seeds, or in double rows, the rows six inches apart, and seeds two inches apart. Closer sowing will produce no greater crop.

To Mail Order Buyers

See your Order Blank on Page 3 for Special Mail Order Offer on packets, ½ lb. and 1 lb. units of Peas, Beans and Corn, which will save you money on these important food crops.

DWARF

★Little Marvel. 60 days. The most satisfactory pea in the average home garden. The big point in its favor is that it remains in prime picking condition a week longer than the older sorts. Very productive, hardy, luscious and sugary. Vines 18 inches, pod dark green, well filled. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., $1.15; 10 lbs., $2.00.

★Giant Stride. 80 days. Pea blight is a wilt affecting peas when they are planted too often in the same ground. You will find the new Pea Giant Stride nearly 100% resistant, as well as of top quality and a heavy yielder. It makes a vine 16 to 18 inches tall, dark green, with pods longer than Laxton's Progress and better filled with peas of excellent flavor. Pkt., 15c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 5 lbs., $1.25.

★Early Gilbo. 69 days. A new pea from one of our oldest pea growers. Rogers Brothers have perfected what they consider one of their best market garden varieties and have named it after one of their oldest breeders. Vine 24-28 inches tall, very dark and heavy. Pod 4½-5 inches long by ½ to ⅝ inches wide, of the Dwarf Alderman type. Season 69 days. Pkt., 15c; ½ lb., 25c; lb., 45c; 2 lbs., 80c.

NOTT'S EXCELSIOR. 58 days. Almost as early as the round seeded varieties, but far superior to them in quality. Vines about 15 inches high, pods about 3 inches long, each containing 5 to 7 peas of good size, tender and delicious. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., $1.15; 10 lbs., $2.00.

LAXTON'S PROGRESS. Pkt., 10c.

★Century of Progress. Matures in about 72 days. This is a vigorous growing, heavy yielding variety which bears large, wrinkled peas of the very highest table quality in greater profusion than other varieties of equal quality. It grows 20 inches tall, with heavy foliage of a dark green, and dark green pods 4½ inches long. It is an excellent home garden variety. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., $1.15; 10 lbs., $2.00.

★Laxton's Progress. 62 days. The earliest and by far the best of the large-podded, large-fruited wrinkled peas. Of all the varieties producing peas of equal quality, this is the heaviest yielding. It bears long pods, averaging one more pea to the pod than Hundredfold. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., $1.15; 10 lbs., $2.00.

HUNDREDFOLD. 62 days. This is another of Vaughan's Specials that has proved itself a winner for gardeners. It is extra early, has large pods like "Telephone," which are filled with the finest flavored peas. Hundedfold is in season a few days later than the first earlies. It excels in size, appearance and productiveness. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., $1.15; 10 lbs., $2.00.

SUTTON'S EXCELSIOR IMPROVED. 64 days. It is a very fine first early dwarf pea, regarded by some as the best of the wrinkled sorts. Very hardy; can be planted early; vines are 18 inches high, very prolific; pods are almost square at lower end, larger and broader than the usual dwarf pea, dark green color. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., $1.15; 10 lbs., $2.00.

AMERICAN WONDER. EXTRA EARLY PREMIUM GEM OR LITTLE GEM. Use Nott's Excelsior, as it is the same season, shape and color. Flavor is better; so much more productive that you will be better satisfied. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., $1.15; 10 lbs., $2.00.

DWARF TELEPHONE OR DAISY. 72 days. A mid-season maturing sort of merit; vines are dwarf and bear large, bright green pods, each contains 7 to 9 peas of finest quality. This is a splendid variety, of which we offer a high-class re-selected stock. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., $1.15; 10 lbs., $2.00.

DWARF DEFIANCE OR STRATAGEM. 75 days. Pea growers cannot afford to overlook this splendid main crop success; it is without a superior, a grand second early. The vines are vigorous, the pods dark green and immense in size and fullness, like "Telephone." The handsome pods are filled with peas that are sweet and rich flavored. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., $1.15; 10 lbs., $2.00.

MEDIUM HEIGHT

A HEAVIER yield without sacrificing quality is obtained from the varieties of peas which require some support. The varieties listed below grow to three feet high and should be given support of chicken wire or brush between companion rows. The smooth podded sorts may be sown first, and if not allowed to mature too much, will be found to be of good table quality.

★World's Record or Improved Gradus. 58 days. Gradus is the greatest of the wrinkled peas; it is large, early, and in flavor equal to the best wrinkled kinds. It is tender and should be planted in the warmest spot in the garden. Vines 30 inches, pods 4 inches long, beautiful green color, with 7 to 10 or more rich, tender peas in each. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., $1.15; 10 lbs., $2.00.

THOMAS LAXTON. 62 days. This is a selection of Gradus. The season is identical, but the pods are square at the end and deeper green. Vines are 3 to 3½ feet high. A better yielder than Gradus. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 3 lbs., 75c; 5 lbs., $1.15; 10 lbs., $2.00.

ALASKA—CALLED EARLIEST OF ALL. 57 days. Alaska and "Maud S." are in all but color the same; Alaska seed is bluish in color; it is standard for market and canning. Pkt., 10c; lb., 30c; 2 lbs., 55c; 5 lbs., 90c; 10 lbs., $1.70.

★

Varieties designated by a star as illustrated above are recommended as of especially fine strains and suited to the home garden.

Tall Peas Yield Best

THE gardener who takes pride in his peas and whose space is unlimited will find the tall-growing sorts unequaled for length of season, heavy yielding and high quality. Support should be given and they should be planted with plenty of room. Liberal fertilizing will be well repaid.

★Vaughan's Improved Telephone. 72 days. Of the tall-growing varieties of late peas, "Vaughan's Improved Telephone" is regarded by experienced and successful growers as the best sort for general purposes. Uniformly large pods, 5 inches or more long, filled with 8 to 9 delicious peas. Grows 4 feet high; is a main crop variety, and a heavy yielder. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., $1.15.

EVERBEARING. 76 days. For late summer and autumn: very prolific variety. Pod about 3 inches long, with large peas of good quality. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., $1.15.

BLACK-EYE MARROWFAT (Late). 80 days. A great yielder of ordinary quality peas. Pkt., 10c; lb., 35c; 2 lbs., 60c; 5 lbs., $1.00.

WHITE MARROWFAT. 72 days. Similar to Black Eye. Popular heavy yielder. Pkt., 10c; lb., 30c; 2 lbs., 50c; 5 lbs., $1.00.

EDIBLE POD PEAS

(Cooked like String Beans)

MAMMOTH PODDED SUGAR. 70 days. A late, large sugar pod pea of finest quality. Vines 4 to 5 feet high. Pods 5 to 6 inches long. Pkt., 10c; lb., 45c; 2 lbs., 80c; 5 lbs., $1.50.

DWARF GRAY SUGAR. 62 days. Vines 16 inches. Pkt., 10c; lb., 40c; 2 lbs., 70c; 5 lbs., $1.50.

IMPROVED TELEPHONE. Pkt., 10c.

Inoculate Peas For Good Yield

Peas, Beans and Sweet Peas belong to the Legume family—plants that bear their seed in a pod. All legumes form a partnership at the roots with bacteria that are able to secrete nitrogen and give it to the plant. They form on the roots in colonies looking like lumps, called nodules. To stimulate these germs it is necessary to "inoculate" the seed. All agricultural authorities advise inoculation of legumes.

Pkt., 10c.
Garden Size, 25c.

TREAT WITH QUICK, EASY

SEMESAN BEL

DIP FOR LARGER POTATO CROPS

A one minute dip in Semesan Bel solution will reduce scab and rot, even when used on clean seed potatoes. Increases in yield usually result. Directions for treatment are supplied. One pound treats 60 to 80 bushels. Prices of Improved Semesan Bel:

4-oz.	$ 0.45
1-lb.	1.50
5-lb.	6.75
25-lb.	31.00
100-lb.	122.00
300-lb.	355.00

IRISH COBBLER. 5 lbs., 30c.

VAUGHAN'S IMPROVED EARLY OHIO. 5 lbs., 30c.

Northern Potatoes

CERTIFIED STOCK

WE offer Michigan and Minnesota certified stock, inspected while growing by authorized state agents and found free from serious diseases and varietal mixture and from vigorous fields. Sorting and grading to No. 1 grade is also required. Stock that is not certified is grown from certified seed.

Certified Stock of any variety listed except Warba and Katahdin. 5 lbs., 35c; 10 lbs., 65c; 30 lbs., $1.30; 60 lbs., $2.25.

The prices in this catalog represent values at the time this book went to press and are subject to market changes.

For the Home Garden—Early Ohio and Irish Cobbler are the best early varieties, the former in the east and the latter in the west. One of the rural type is recommended for the late crop.

WARBA RESISTANT. Warba is a new potato bred by the Minnesota Experiment station, which is early, highly productive, resistant to mosaic disease, with upright compact vines. Tubers of excellent cooking quality and uniform size are round and blocky, of white flesh and pale skin with pink eyes, ten days earlier than Early Ohio. 5 lbs., 40c; 10 lbs., 70c; 30 lbs., $1.50; 60 lbs., $2.50.

EXTRA EARLY SIX WEEKS—The standard early potato in the south. It is round, reddish skinned, rather deep eyes and of medium size. As they appear early in the spring on the northern market they command a large premium. 5 lbs., 30c; 10 lbs., 50c; 30 lbs., $1.10; 60 lbs., $1.80.

IRISH COBBLER—EARLY HEAVY CROPPER. An early of medium size, and in light soil maturing almost as soon as the smaller cropping earlies. Its size, shape, good quality and appearance commend it. Our seed is grown in Red River Valley, Minnesota. 5 lbs., 30c; 10 lbs., 50c; 30 lbs., $1.10; 60 lbs., $1.80.

VAUGHAN'S IMPROVED EARLY OHIO (RED). A week to 10 days earlier than other strains of the same variety. The reason for this is not only in the great care with which our seed is selected, grown and housed, but it is produced under conditions which are the most favorable in the Red River Valley of Minnesota, the natural home of high-class potato seed. 5 lbs., 30c; 10 lbs., 50c; 30 lbs., $1.10; 60 lbs., $1.80.

KATAHDIN. Originated in Maine by the U. S. Dept. of Agriculture, it takes its name from Mt. Katahdin. The government spent $250,000 in producing this variety. It is a slightly oval white, very smooth, with shallow eyes. The vines are light green and vigorous. So far no trace of mosaic has been found on plants of Katahdin. It ripens about a week earlier than Rural New Yorker and has consistently out-yielded Rural New Yorker and Green Mountain, and grades out with a smaller per cent of No. 2 grade and culls. The type is very uniform and in cooking and eating qualities it is unsurpassed. Katahdin does well on rich peat soils and on muck. 5 lbs., 40c; 10 lbs., 70c; 30 lbs., $1.50; 60 lbs., $2.50.

RURAL NEW YORKER, No. 2. Very large, usually smooth, oblong, inclining to round, and rather flattened. Skin and flesh white; quality excellent, season intermediate. Tubers of great uniformity in size. Known everywhere as "Dusty" Rural. 5 lbs., 30c; 10 lbs., 50c; 30 lbs., $1.10; 60 lbs., $1.80.

CARMAN No. 3. A white, flat variety, which sets its tubers very close to the top of the soil, thus giving good yields in clay soil, where other varieties fail. 5 lbs., 30c; 10 lbs., 50c; 30 lbs., $1.10; 60 lbs., $1.80.

SWEET POTATOES

We offer Yellow Jersey (the most popular northern sort). Grown especially for seed. 10 lbs., 85c; bu., $2.25; by express collect only.

Pumpkins

SOW when the ground is warm and give the plants room to ramble. The partial shade of the sweet corn plot is ideal. A few hills will provide amply for pies and jack-o'-lanterns.

★Autumn, Bush, or Everbearing. 120 days. For the first time we offer a genuine bush form pumpkin, a boon for the home garden where space is limited. On a bush similar to that of Italian marrow, requiring a space 4 ft. square, it bears small pumpkins, excellent for pies. Pkt., 10c; oz., 20c; ¼ lb., 50c.

★Vaughan's Small Sugar Pie Pumpkin. 120 days. Well known as the best pie pumpkin. The fruit is small to medium size, with solid fine grained flesh, and a sweet, sugary, delicious flavor. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.25.

★Large Field or "Big Tom" 120 days. The standard pumpkin grown in corn fields for a feeding crop. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

VAUGHAN'S MAMMOTH PRIZE. 120 days. Specimens have grown to 100 lbs.; notwithstanding it is among the best pie pumpkins. Flesh fine grained, sweet and tender. Requires a long season and plenty of room (one plant to a hill). Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

WINTER QUEEN OR WINTER LUXURY. 100 days. A quality pie pumpkin and the best winter keeper. Nine or ten inches in diameter; its skin is a beautiful deep orange-yellow with a close netting. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.25.

SWEET POTATO. 120 days. Bell-shaped. White flesh. Used for pies. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.50.

PUMPKIN CUSHAW. Pkt., 10c.

Cushaw. 90 days. White-striped or Golden. A favorite pumpkin for pies, having no seeds in the neck, all being confined in the enlarged portion near the blossom end. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.25.

JAPANESE PIE. 115 days. Fine quality, good keeper. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.40.

LARGE TOURS OR MAMMOTH FRENCH. 120 days. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

LARGE CHEESE. 120 days. Large, flat like a cheese box. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 75c.

Radishes for Eight Months

RADISHES from April to December are possible for the home gardener who sows early, midseason, summer and winter types.

Our strains are grown with the greatest care, which involves considerably increased cost, but the additional cost is small compared with the great difference in your crop.

Radishes supply the first home garden harvest in the spring, and winter radishes may be enjoyed as late as New Year. Quick growth is the secret of success. A rich, light soil is required. The globe and olive varieties grow faster than the long type, and turn pithy sooner, so they must be harvested promptly and will not enjoy hot weather. The long types grow more slowly and are slower to turn pithy, so they endure heat better. Winter radishes should be sown in June or later and allowed to develop in the cool, moist fall weather. **Quantity needed for 15 to 20 ft., 1 pkt.; 75 ft., 1 oz.**

Scarlet Turnip White Tip Saxa — Brightest Long Scarlet Scarlet Globe — Icicle — Vaughan's 20 Day Earliest White Olive — French Breakfast Sparkler

SCARLET GLOBE SELECT. **Pkt., 15c.**

★Early Scarlet Globe Forcing. (F.) **20 days.** Vaughan's Glasshouse Strain. For hotbed and greenhouse forcing, and outdoor planting. Very early, crisp, mild and tender; rich, bright scarlet in color, of uniform globe-shape. It is ready for the table in 25 days. For the home, plant every 10 days until into June; again end of August.

Greenhouse Strain—Pkt., 15c; oz., 25c; ¼ lb., 45c; lb., $1.25.

Outdoor Strain—Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00.

★Scarlet Turnip White Tip. **20 days.** Vaughan's Selected Stock. This radish is a table dainty, crisp, tender and sweet; it is turnip-shaped, bright scarlet color with white tip, and is a high-class strain for outdoor planting. It combines beautiful appearance with finest radish quality—appealing to the eye and palate.

Vaughan's "Sparkler" Strain for Open Ground. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00.

★Giant Butter. **28 days.** This is by far the largest of early turnip radishes. By careful selection, has been bred true to type. It is vivid scarlet and stands for an unusually long period without becoming pithy and is highly recommended for home gardens. Can be planted throughout the summer. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.25.

★Icicle. **25 days.** The finest white which remains crisp and mild long after maturity. It matures early with short top, which permits close planting and forcing. Many of our customers say it is the finest radish they have ever grown. Plant every 10 days for succession. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

EARLIEST WHITE OLIVE. (F.) 18 days. Earliest of all radishes—matures in 15 to 18 days after sowing. This sort is pure white, oblong shape with small tops—can be planted close; a very tender radish. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25.

SAXA. (F.) 20 days. This is a European variety which has become very popular in the United States. It is one of the very earliest radishes and slow to run to seed. The tops are very small, the radishes are round and bright scarlet. We recommend it for the first planting in the garden, and also for forcing in hotbed and greenhouse. Pkt., 10c; oz., 20c; ¼ lb., 45c; 1 lb., $1.25.

EARLY LONG SCARLET SHORT TOP. 28 days. A long, straight, smooth, red radish; it grows partly above ground, developing a long, tender, crisp and sweet root. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

CRIMSON GIANT. (F.) 28 days. For forcing or outdoor planting. Although twice the size of other forcing sorts this does not get pithy or hollow; the skin is crimson, flesh is white, tender, crisp and sweet-flavored. Sow thinly. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.25.

BRIGHTEST LONG SCARLET. 28 days. This is a home garden favorite; the body is brightest scarlet color, which blends downward to a long tip of pure white. Matures in 25 days. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 85c.

VAUGHAN'S ALL SEASONS. 35 days. May be sown from spring to autumn and used at all stages of growth; a round scarlet. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.10.

VAUGHAN'S 20-DAY. (F.) 20 days. The quickest red olive-shaped radish, matures in 20 days; has attractive, bright scarlet skin, white, sweet, crisp and tender flesh. Leaves being short permits close planting. Fine for outdoor planting or forcing. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

IMPROVED FRENCH BREAKFAST. (F.) 20 days. Early olive-shape 2 inches long, with slender tap root, deep red skin, white tip. Flesh is solid, sweet, crisp and tender, fine for the home garden. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 75c.

CINCINNATI MARKET. 30 days. A long red radish, short top. If your market uses a long sort try this one. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00.

EARLY DEEP SCARLET TURNIP. 22 days. An old stand-by. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00.

EARLY SCARLET GLOBE WHITE TIP. 22 days. Best and quickest of the white tips; fine quality. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.10.

SUMMER RADISHES

When hot weather comes and spring varieties would turn pithy or run to seed, the varieties listed below will keep in good condition for a long time and furnish a most welcome tang to the salad course. Note that they mature more slowly, so sow them early enough. All of the following:

Price, pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00.

LONG WHITE VIENNA. 32 days. Snow white, very brittle and crisp.

WHITE STUTTGART. 35 days. A turnip-shaped, large white radish.

WHITE STRASSBURG. 42 days. Larger size and thicker than Vienna. Very solid.

WINTER RADISHES

These should be sown from late in June to August, to produce the final radish crop. They grow largest of all and can be stored for some time after the ground is frozen. In spite of their size they are mild and of fine texture.

THE MUNICH. 65 days. The German knows this as the Beer Radish. Grows from 6 to 8 inches in length; broad at the shoulder, white thin skin; mild and delicious. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.25.

Prices of each of the following: Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25.

CALIFORNIA MAMMOTH WINTER. 55 days. Long, very large size.

ROSE OR SCARLET CHINA. 52 days. Rose, medium size, fine keeper.

CHINESE MAMMOTH OR CELESTIAL. 55 days. Immense size, flesh always crisp and mild.

BLACK SPANISH, LONG. Black skin and white flesh.

BLACK SPANISH, ROUND. 58 days. Like Long Black, only round.

(F) Forcing Sorts.

Long Season Radish Mixture. ½ oz. pkt., 15c.

This is a mixture composed of equal parts of the following early midseason and late varieties: Scarlet Globe, Giant Butter, Icicle, Brightest Long Scarlet, and White Stuttgart. Sow thinly in the row, and harvest as they mature. This mixture will provide an interesting assortment of radishes for the table, spread over two months of harvest.

Rhubarb

★**Flare.** A variety of erect, compact habit, medium leaves 23 inches long, with stalks of attractive red extending from base almost to tip. Flesh is of fine texture, tender, juicy and crisp. Pkt., 15c; ½ oz., 35c; oz., 65c.

VAUGHAN'S MAMMOTH. Vigorous and productive; stalks fifteen inches long. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.00.

VICTORIA. A popular red strain. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.00.

RHUBARB ROOTS. Set in spring they will furnish leaf stalks the following year. If to go by mail allow for postage.

	Each	3	10
Strawberry, Divisions 1-year..	$0.25	$0.50	$1.50
" 2-year.....	.35	.75	2.00
Victoria, 1-year.....	.20	.40	1.00
" 2-year.....	.25	.50	1.25
" 3-year.....	.50	1.25	...
Linnaeus, 2-year.....	.30	.60	1.50
McDonald Crimson, Canadian variety of rich red color, low acidity, thin skin, fine grain and fruity flavor. Divisions..	.40	1.00	3.00

Oyster Plant (Salsify)

THOUGH not as generally grown as it should be, this is, when cooked, a really delicious vegetable, surpassing in richness of flavor both carrots and parsnips. It acquires a decided oyster flavor after a good frosting. Roots for winter use should be lifted in the fall, while those for early spring use may be left in the ground over winter.

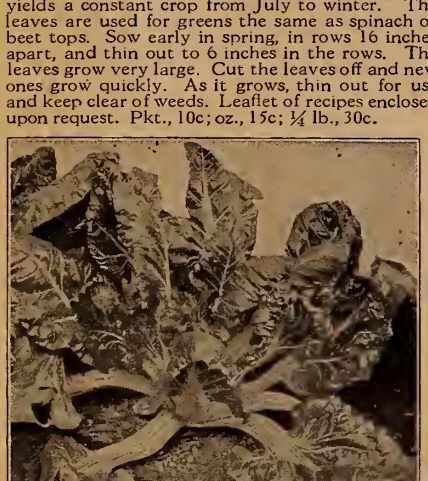
MAMMOTH SANDWICH ISLAND. This variety is much more uniform in growth than the old standard "Long White" Variety; it is twice the size and weight; the roots are of superior quality and most delicate flavor. Pkt., 10c; oz., 25c; ¼ lb., 75c.

Garden Sorrel

Is boiled and served like spinach, also delicious for soups. As the hot sun tends to increase its acidity, a northern exposure is advisable. It should be sown in drills 18 inches apart. It is hardy, but the roots should be divided every four years. Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., $2.00.

Swiss Chard

★**"Cut and Come Again."** 45 days. This vegetable gives maximum returns for little care and space; it yields a constant crop from July to winter. The leaves are used for greens the same as spinach or beet tops. Sow early in spring, in rows 16 inches apart, and thin out to 6 inches in the rows. The leaves grow very large. Cut the leaves off and new ones grow quickly. As it grows, thin out for use and keep clear of weeds. Leaflet of recipes enclosed upon request. Pkt., 10c; oz., 15c; ¼ lb., 30c.



SWISS CHARD. Pkt., 10c.

LUCULLUS SWISS CHARD. 55 days. A new Moss Curled sort. Very large leaves. The mid-ribs are very broad and form a good substitute for asparagus during the summer months. Pkt., 10c; oz., 15c; ¼ lb., 35c.

LARGE WHITE RIB. (Dark Green.) The leaf is large, smooth, dark green on a long fleshy stem, 1 to 2 inches wide, and makes an excellent substitute for asparagus when cooked with milk. The leaves are fine for greens. Pkt., 10c; oz., 15c; ¼ lb., 35c.

FORDHOOK. This variety resembles Lucullus, but is a darker green. Pkt., 10c; oz., 15c; ¼ lb., 35c.

VIKING SPINACH, ALL AMERICA WINNER. Pkt., 10c.

Newer Spinaches Have Thicker Leaves

And Longer Season of Use

SPINACH delights in cool, moist weather. Seed should be sown at the earliest possible moment in spring in rows one foot apart and thinned to six inches in the row. It matures in 45 to 50 days and quickly runs to seed in warm weather. The Antvorskov variety, listed below, is most free from this tendency. Home gardeners have generally adopted Swiss Chard and New Zealand Spinach as a greens crop, as both may be cut many times and will produce a continuous crop until freezing weather in the fall. A fall crop of spinach may be sown in late July or August and will find the cool, moist autumn weather favorable for growth. The value of spinach in the diet has been scientifically established by the vitamin investigation.

★**Summer Savoy.** 45 days. A further advance over Long Standing Bloomsdale, darker green, 3 to 4 days longer standing and extraordinarily uniform. It is a trifle more curled, but its greatest advantage is its better performance in summer. Our experience is that for early summer and fall cutting our regular Long Standing Bloomsdale is excellent, but for summer use the Special Summer Savoy gives the best results. Special Mention All America Trials 1937. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 85c.

★**Winter-Giant.** 50 days. A variety of recent introduction which has proved fine for winter. It is smooth, large leaved and does not bolt quickly. Special Mention All American Selections 1937. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 85c.

★**Viking.** 45 days. This 1935 All America winner bears largest leaves of the thick-leaved type, and is almost as long-standing as King of Denmark. Its leaves are smooth to slightly crumpled, dark green, and of excellent quality for home and market. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 85c.

★**King of Denmark.** (Antvorskov). 48 days. In our trials this variety has been slower to run to seed than any other sort. Antvorskov forms quite large tufts (or rosettes), compact and low. The numerous leaves are extra large, broad and rounded, exceedingly bushy, slightly crumpled and of a glossy dark green color. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c.

★**Bloomsdale Long Standing.** 45 days. Latest of the Long Standing Spinach introductions. Improvement was accomplished through the selection of hermaphrodite plants (bisexual), which run to seed much more slowly than the unisexual. This variety is of better quality than the Antvorskov (King of Denmark), having larger and Savoy type leaves. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c.

★**Nobel Giant Thick Leaved.** 45 days. The seed of this thick-leaved variety produces the largest spinach under cultivation. It grows rapidly and remains in good condition a long time. The medium-green leaves are large, rounded, slightly crumpled, succulent and tender. It is an excellent home garden spinach. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c.

★**Bloomsdale Dark Green.** 43 days. The leaf is savoyed, or crinkled, and of a darker green than Bloomsdale Long Standing. The dark color is preferred in some markets. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c.

PRINCESS JULIANA. 50 days. This is a new type of "Long Season" Spinach. The leaves are of good size, very dark green, well crumpled and thick. The first plants of Spinach to bolt to seed are the male plants. (Spinach is generally dioecious; i. e., there are male and female plants.) This first bolting seed has been eliminated in this new race by the production of hermaphrodite plants, these plants seeding much later than male plants. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c.

OLD DOMINION. 40 days. The same as Virginia Blight-Resistant in type and quality. Will eventually take the place of Virginia because of its long standing qualities, which permit early fall planting. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 70c.

TRIUMPH. We recommend Viking.

VAUGHAN'S SPECIAL. 50 days. An early, smooth leaved spinach being more upright in growth than other spinaches and nearly a long standing variety. Easily cleaned and very tender. Pkt., 10c; oz., 20c; ¼ lb., 30c; lb., 85c.

GIANT FILLBASKET. 50 days. We recommend Nobel.

VICTORIA. We recommend Juliana.

BLOOMSDALE or NORFOLK SAVOY-LEAVED. 40 days. Is a very hardy sort; the leaves are very thick and blistered, making it a fine shipper; it is a good standard size, and a great favorite with southern truckers. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

★**New Zealand Spinach.** Tetragonia Expansa. 60 days. While this is not a member of the Spinach family proper, it furnishes an abundance of delightful "greens" throughout the summer and right up to cold weather. Both the leaves and the stalks of the plant are very fleshy and extremely brittle and of the finest quality when cooked. Do not sow seed until May 1st or when the soil is fairly warm. Plant in rows 3 feet apart and thin the plants to stand 2 feet apart in the rows. Soak the seed before sowing. Pkt., 10c; oz., 15c; ¼ lb., 40c.

Tobacco Seeds

BIG HAVANA. A hybrid Havana. Pkt., 10c; ½ oz., 30c; oz., 45c; ¼ lb., $1.25; lb., $3.75.

CONNECTICUT SEED LEAF. Best adapted to climate of middle and northern states. Pkt., 10c; ½ oz., 30c; oz., 45c; ¼ lb., $1.25; lb., $3.75.

BURLEY. The popular Kentucky sort. Pkt., 10c; ½ oz., 30c; oz., 45c; ¼ lb., $1.25; lb., $3.75.

Newer Squashes and Marrows

SQUASH are growing in popularity with home gardeners. They must be sown in warm, rich soil in hills 8 to 10 feet apart for the vine varieties and 3 to 5 feet for the bush sorts. The squash borer is the principal enemy, and the best protection against it is to cover the vine with soil at several joints. It will take root where covered and limit the damage done by the borer. Vegetable Marrows are considered by many to be superior in flavor to egg plant if sliced when half grown and fried. All squashes may be baked and eaten with butter, in which form they oftentimes are relished by persons who dislike them when mashed and boiled.

★Acorn, Table Queen, or "Des Moines." **58 days.** We can truly say that the height of Squash quality is still unknown to one who has not eaten half a Table Queen baked and buttered. In size Table Queen equals a fair sized husked cocoanut, and a half, baked, serves one person amply. The shell is usually thin and it does not require over twenty minutes for baking or boiling. The color is dark green, keeping this color after picking and storing. The meat is dry and mealy. It yields enormously—a few hills furnishing an ample supply for a good sized family. (**Cucurbita Pepo.**) Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

TABLE QUEEN, pkt., 10c.

★New Squash "Kitchenette" (Hubbard). **110 days.** A small edition of the Hubbard Squash developed by inbreeding and introduced by the Minnesota Experiment Station. It was named "Kitchenette" because it is the smallest Hubbard. The squash average about 5 pounds. They are a glossy dark green, fully equal to any Hubbard for quality and keep as well in storage. (**Cucurbita Maxima.**) Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

★"Sweet Potato." **55 days.** A valuable addition to the list of small squashes, is of fine flavor, becoming a popular feature of fall and winter menus. It is an improved Delicata, as sweet as Table Queen. The fruit averages 6 to 8 inches long and they are thick fleshed. When baked and served with melted butter it is a table delicacy of the first order. (**Cucurbita Pepo.**) Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.00.

★Vaughan's Chicago Warted Hubbard. **120 days.** Vaughan's Chicago Warted Hubbard Squash has been bred to the highest quality; fruits are large, rough dark green skin, flesh is bright orange, fine grained, rich and dry. (**Cucurbita Maxima.**) Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

SWEET POTATO SQUASH. Pkt., 10c.

BUTTERCUP. (See Novelties.) Pkt., 15c; oz., 30c; ¼ lb., 75c.

GOLDEN HUBBARD. **110 days.** Like original Hubbard, and warted, but average one-half to one-third smaller. The skin is deep orange yellow, flesh golden yellow, fine grained and delicious. (**Cucurbita Maxima.**) Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

ORIGINAL HUBBARD. **120 days.** Not as large as Chicago Warted, but in shape and quality it is similar. (**Cucurbita Maxima.**) Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

BLUE HUBBARD. **125 days.** Similar to Warted Hubbard in shape and size, quality superior, an excellent winter keeper, having a blue gray shell. Pkt., 10c; oz., 25c; ¼ lb., 50c; lb., $1.50.

DELICIOUS. **115 days.** A fall and winter variety. The fruit varies in shape, weight ranging from 5 to 10 pounds each. (**Cucurbita Maxima.**) Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $1.75.

BENNINGS' BUSH. White bush type, small, light green markings. Use when young. If allowed to get mature they lose their best flavor. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

MAMMOTH WHITE BUSH. **60 days.** An improved selection of "Early White Bush," much larger and deeper, has fewer scallops, and is a heavier producer. (**Cucurbita Pepo.**) Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.25.

YELLOW BUSH. **60 days.** (**Cucurbita Pepo.**) Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.25.

MAMMOTH CHILI. **120 days.** A popular exhibition sort. Specimens grow as large as 100 pounds. Rich orange yellow color. (**Cucurbita Maxima.**) Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.00.

EARLY WHITE BUSH. **55 days.** (**Cucurbita Pepo.**) Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.25.

YELLOW SUMMER STRAIGHTNECK. **55 days.** This is a desirable improvement over the crookneck type. It will pack easier and produce as heavily. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.25.

GIANT YELLOW SUMMER CROOKNECK. **55 days.** Our strain produces fruit nearly double the size of the old "Crookneck." (**Cucurbita Pepo.**) Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.25.

BANANA SQUASH. **120 days.** One of the finest fall and winter squash. Of sweet potato quality, free from stringiness. 12 inches long, 6 inches in diameter, tapering at either end. Gray green color. (**Cucurbita Maxima.**) Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.00.

VEGETABLE MARROWS

★New Italian Marrow or Zucchini. **60 days.** (**Cucurbita Pepo.**) When matured it is 18 in. long, 5 to 7 inches in diameter and an excellent keeper, very dark green. A bush type and very productive. There is nothing better for slicing and frying when small, and if kept picked, will continue to bear until frost. Delicious in the "baby" stage, 3 to 6 inches long. There are two strains, one light green with lighter markings, the other dark green or almost black. Both are the same shape and size but the dark is preferred by many.

Light Green Strain. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

Dark Green Strain. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

COCOZELLE (ITALIAN VEGETABLE MARROW). **60 days.** A bush variety. Fruits oblong, ribbed, 2 ft. in length. Color dark green with yellow and darker green stripes. Very fine flavor. (**Cucurbita Pepo.**) Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

ZUCCA DE PERGOLA. **65 days.** (**Cucurbita Pepo.**) Grows 3 feet in length and 3 inches in diameter. Pale green in color. Used by Italians for slicing and frying like egg plant or baking, stuffed with meats. Pkt., 15c; oz., 35c; ¼ lb., $1.00.

VEGETABLE MARROW. **55 days.** (**Cucurbita Pepo.**) The fruit is generally eaten when less than half grown, as the flesh is then very tender. Also an excellent winter keeper when mature. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

Turnips for the Table

TURNIPS are cool weather plants and thrive best in spring and fall. For early use seed should be sown as soon as the ground can be prepared and will give roots large enough for the table in six to ten weeks. For the fall crop seed should be sown June to August and the plants will grow until freezing weather, when they should be harvested and stored. Rutabagas, after a touch of frost, are a delightful addition to the winter diet. To avoid maggots, it is best to sow turnips on different soil each year.

★Purple Top White Globe. **55 days.** Originated from "Purple Top Flat Turnip," is extensively planted and popular for its fine qualities. The flesh is firm, fine grained, sweet and rich flavored; it is of good size, globe-shaped, fine appearance, a good producer and fine keeper. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c; 5 lbs., $2.50 (by express).

PURPLE TOP STRAP-LEAVED. **45 days.** A table variety, fine, tender and deliciously flavored. It is broad shaped, medium size, white flesh, fine grained, splendid quality. Top is dark red or purple, elsewhere white, fine keeper. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c; 5 lbs., $2.50 (by express).

GOLDEN BALL or ORANGE JELLY. **65 days.** Medium size, globular table turnip. Flesh yellow, sweet. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c.

EARLY SNOWBALL. **50 days.** Small, white, grows quickly, splendid table quality. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 60c.

SHOGOIN. A Japanese turnip used principally for greens. The root is small but the top is like mustard tops. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 75c.

EARLY WHITE MILAN. **40 days.** This can be used Spring or Fall. The skin is smooth, snowy white, has a polished appearance; medium size, white, tender, sweet. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

PURPLE TOP WHITE GLOBE TURNIP. Pkt., 10c.

YELLOW STONE. **75 days.** Popular variety, yellow flesh, round shape, somewhat flattened; excellent quality for table or market. Good for stock. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c.

SEVEN TOP. **45 days.** A variety much grown in the south for the tops, which are used as greens. Pkt., 10c; oz., 15c; ¼ lb., 20c; lb., 50c.

LARGE YELLOW or AMBER GLOBE. **75 days.** Fine quality and sweet. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c.

EXTRA EARLY PURPLE TOP MILAN. **40 days.** An excellent medium size turnip; smooth white surface, purple top, flat shape, white flesh. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

Table Rutabagas

Mature in 100 days.

★Vaughan's Improved American Purple Top is a fine strain of Purple Top. Largest size, best shaped variety, small neck, smooth skin; good cropper and keeper. A heavy yielder. Excellent table quality. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c; 5 lbs., $2.50.

BANGHOLM DANISH. Yellow flesh, purple top. This variety has excellent table quality. Danish pedigree seed. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 70c; 5 lbs., $3.00.

WHITE SWEDE. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 70c; 5 lbs., $3.00.

CANADIAN GEM. Round medium size, quick growing, purple top, yellow flesh. It resists mildew and is of excellent flavor. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 70c.

SWEDES AND RUTABAGAS FOR STOCK

Mature in 100 days.

MONARCH. A stock crop for early feeding, oblong shape, yellow flesh, fine grain, good flavor, superior in quality and weight. Produces 5 to 7 tons per acre more than any other Swede. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 70c; 5 lbs., $3.00.

TURNIPS FOR STOCK

COW HORN or LONG WHITE. **65 days.** Grows nearly half way out of the ground, carrot-shape, pure white. Oz., 10c; ¼ lb., 25c; lb., 60c.

Tops in Tomatoes

WE have specialized for years in highly selected strains of tomato, many grown on our own farms, and others produced by specialists under contracts which require the rigid selection of fruits from which seed is saved. With the growing importance of disease resistant strains, we have conducted our own trials of each improved resistant variety introduced, and offer originators' strains of those which have proved their merit.

Home gardeners as well as market growers will find that quality strains of tomatoes excel other seed of the same variety to so great an extent that the size and quality of their crop will be affected far in excess of any difference in the price of seed.

Tomatoes should be started indoors and those unable to do this should purchase plants. The plants may be set in the garden when danger of frost is over. It is important to give them a quick start after transplanting by frequent watering and fertilizing. They should be sprayed with bordeaux mixture to prevent disease, and with arsenate of lead to keep off the tomato worm. Hot sun is needed to ripen tomatoes and plenty of water to keep them growing. If trained to stakes or trellises they will ripen sooner.

Quantity needed for 150 plants, 1 pkt.; for 2,000 plants, one ounce.

VAUGHAN'S PONDEROSA. Pkt., 10c.

★Ponderosa—The Giant Tomato. Matures in about 118 days. Of the large fruited varieties, this one is most popular. The vines are strong in growth, and when planted in good soil and pruned to a single stem, the fruit reaches one pound in weight. Tomatoes grow in beautiful clusters. The fruit is mostly oblong in shape, usually ribbed, is deep purple color, has solid flesh of sweet flavor, and small seed cells. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., $1.75.

★Oxheart. Matures in about 120 days. Popular because of its shape, large size, and excellent table qualities. Not a heavy yielder but large size, often weighing 3 lbs. or more Skin pink, almost seedless, firm, sweet flesh frequently two in. thick without a seed cavity, slices well. Pkt., 10c; ½ oz., 50c; oz., 85c; ¼ lb., $3.00.

GOLDEN OXHEART. 120 days. Similar in all respects to Oxheart except that the skin and flesh are of a beautiful golden yellow. Pkt., 10c; ½ oz., 50c; oz., 85c; ¼ lb., $3.00.

DWARF PONDEROSA. 118 days. Fruits as large and in all respects similar to the popular Ponderosa are borne on dwarf vines of tree-like habit, suitable to gardens of limited space. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., $1.75.

OXHEART. Pkt., 10c.

GOLDEN PONDEROSA. 118 days. A yellow gem. This is a yellow Ponderosa equal in size to that magnificent variety. Sliced and served with Purple Ponderosa, it makes a highly decorative and appetizing salad. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., $1.75.

★Vaughan's Select Earliana. 94 days. Earliest large, smooth bright red tomato. Our strain shows few, if any, of the rough fruits found among many strains of Earliana. This variety is compact in growth, with stout jointed branches; the vines yield well and the fruit is solid and of fine quality. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., $1.25.

NEW GLOBE. Matures in about 112 days. This ball-shaped variety is ideal for the home garden. It yields a heavy crop and continues to bear until frost. The skin is a smooth, purplish pink; the flesh is firm and it has few seeds. Uniform fruits of the ideal size for salads or canning. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., $1.50.

NEW KING. 120 days. This striking variety was originated in the Chicago district and is the largest tomato that we know of. It is about the season of Ponderosa, but grows to nearly twice the size. Ripens uniformly from core to outer skin. Pkt., 20c; ½ oz., 40c; oz., 75c.

PENN STATE. 100 days. An early variety having a distinctive habit of growth. The branches end in fruit clusters after developing six to ten joints. This makes a compact bush, with fruits exposed to the sun without pruning. It bears heavily fruits of medium size, globular, dark red. Pkt., 20c; ½ oz., 60c; oz., $1.00.

Tomato Seed Disinfected

ON REQUEST.

No extra charge on packets, ½ ozs., and ounces. Seed of any tomato variety will be treated with disinfectant which has been proved effective in checking damping off and similar fungus troubles, when so requested on your order. There is no extra charge for this service on packets, half ounces and ounces, but for larger quantities a fee should be added to your remittance of 15 cents for each pound, or fraction thereof exceeding one ounce.

EARLY DETROIT (Purple). 112 days. The equal of any second Early Purple Tomato. Bears uniform, large, handsome, smooth fruit through the long season, yielding in the aggregate more marketable tomatoes than the popular Beauty, which variety it most closely resembles. The fruit is firm and almost globe-shaped. Pkt., 10c; ½ oz., 30c; oz., 55c; ¼ lb., $1.60.

BEAUTY (Purple). 112 days. Is the most popular of the large purple sorts. Vines large, vigorous and heavy bearers, fruit large, uniform; very smooth purplish pink skin; flesh light pink. Pkt., 10c; ½ oz., 25c; oz., 50c; ¼ lb., $1.50.

CRIMSON CUSHION or BEEFSTEAK. 120 days. Is very large, round and regular; bright scarlet skin, solid flesh of best quality, seed cells small. Plants are very prolific, fine appearance. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., $1.75.

JUNE PINK. 98 days. In many markets, a pink early tomato is most desired. This is the earliest of the pink varieties and is similar in habit to the famous Earliana. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., $1.50.

NYSTATE. 100 days. From N. Y. Experiment Station. A second early. Fruits large, smooth, oval; cavity shallow, blossom end well-rounded; color deep red outside and crimson inside. Pkt., 20c; ½ oz., $1.00; 1 oz., $1.75.

BONNY BEST. 103 days. A shade later than John Baer. Smooth, large and uniform fruit; yields well until frost. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., $1.10.

VAUGHAN'S NEW YORK. 115 days. It is a second early red-skinned, firm fleshed tomato of high quality, good size and attractive appearance. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., $1.40.

AVON EARLY TOMATO. 94 days. This is scarlet-fruited, round or slightly flattened, smooth and of fine quality. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., $1.00.

DWARF CHAMPION. 124 days. Owing to its dwarf habit and upright tree-like growth, it is a great favorite. It is of medium size, very smooth, purplish pink, symmetrical, flesh very solid. The vine is strong and stiff. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., $1.30.

New Disease Resistant Strains

Early Baltimore. 108 days. Illinois University selection, thriving on all soils, smaller fruit, solid bright color, heavier yielder than Marglobe. Pkt., 20c; ½ oz., 50c; oz., 90c; ¼ lb., $3.00.

★Break O'Day. 94 days. Developed by F. J. Pritchard, of Washington, D.C. A new wilt-resistant tomato that is nearly as early as Earliana and as productive as Marglobe. Its fruits are large, smooth, meaty, red and globular, very similar to Marglobe but usually larger. Used whole for salads or stuffed. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., $1.50.

Illinois Baltimore. One of Huelsen of Urbana selections. Maturing same season as Indiana Baltimore. Deeper through and having additional feature of being resistant. Pkt., 20c; ½ oz., 50c; oz., 90c; ¼ lb., $3.00.

★Pritchard (Scarlet Topper). 120 days. The fruit is solid, yield heavy and the color a brilliant red. It is a resistant second early of great merit. Pkt., 15c; ½ oz., 40c; oz., 70c; ¼ lb., $1.75.

★Marglobe. 114 days. A second-early, red-fruited variety equally suitable for trucking or canning. As early as Bonny Best, produces large, smooth, meaty, globular, red fruits which ripen uniformly and are relatively free from cracks. They make a splendid canned product and first class pulp. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., $1.50.

MARHIO. 100 days. This new resistant variety developed by the Ohio State Experiment Station is similar to Marglobe in shape, but of a good pink color. It is a heavier yielder than Marglobe. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $1.75.

PRAIRIANA. 100 days. Resistant to fusarium wilt, and productive in prairie soils and hot summers of Illinois. Selected by University of Illinois. Fruit smaller than Marglobe, but smoother, brighter color, heavier yielder in clay soil. Pkt., 20c; ½ oz., 50c; oz., 90c; ¼ lb., $3.00.

ILLINOIS PRIDE. 114 days. Illinois University selection, larger, more solid, better shipper and producer on clay soil than Marglobe. Pkt., 20c; ½ oz., 50c; oz., 90c; ¼ lb., $3.00.

SCARLET DAWN. 94 days. Wilt and rust resistant, of deep red color, globe shape, heavy yielder. Pkt., 10c; ½ oz., 50c; oz., 90c; ¼ lb., $3.00.

RUTGERS. 114 days. New Jersey Experiment Station cross on Marglobe. Deeper than its horizontal diameter, small seed cavity, heavy cross walls, ripens from the inside out. One of heaviest croppers. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00.

Tomato worms are quickly routed by lightly dusting the vines with a mixture of one pound calcium arsenate (35c) to ten pounds of lime or gypsum.

ILLINOIS BALTIMORE. Pkt., 20c.

TOMATOES—Continued

JOHN BAER. 108 days. Extra early red. Not quite so early as Earliana, though there are only a few days' difference. John Baer yields a much heavier crop of larger, more uniform and more attractive fruits. Most profitable extra early sort. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., $1.10.

HUDSON VALLEY MAID. 100 days. This new potato-leaved variety, in trial, showed up remarkably well during a dry, off season, the potato-leaved sorts seeming to possess a hardiness that few of the ordinary leaved sorts have. It is second in season, of good size, smooth and bright red. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., $1.50.

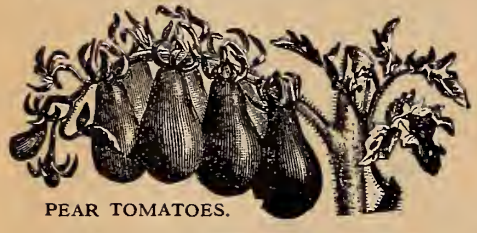
IMPROVED NEW STONE. 116 days. "King of the Reds." One of the best main crop varieties. The smooth skin, small core, fine-grained flesh with little acidity, delight the eater and give satisfaction to the grower. Pkt., 10c; ½ oz., 25c; oz., 35c; ¼ lb., $1.00.

CHALK'S EARLY JEWEL. 104 days. The original large smooth extra early red, much planted by canners in the Northern States—many still prefer this to Bonny Best. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., $1.10.

GOLDEN QUEEN. 112 days. Golden yellow. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., $1.50.

GULF STATE MARKET. 112 days. This globe-shaped purplish pink tomato was developed from Early Detroit and is as early as that variety. It is said to be especially adapted to the Gulf states and California. The fruits are large, showing little depression around the stem, and free from cracks. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., $1.50.

DWARF STONE — THE LARGEST DWARF TOMATO. 132 days. This is the largest Dwarf tomato; it resembles "Dwarf Champion," but is of stronger growth and more erect. In shape and size it is similar to "Improved New Stone." The fruit is red, and specimens weighing ¾ pound are not uncommon. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., $1.40.



PEAR TOMATOES.

SMALL FRUITED TOMATOES

Very Desirable for Pickles and Preserves. Mature in about 120 days.

Prices of the following: pkt., 10c; ½ oz., 40c; oz., 75c.

RED CURRANT. Very small.

RED CHERRY. Small fruit, bright scarlet.

TWO PEACH TOMATOES. Peach shape and color. Red or Yellow.

YELLOW PLUM AND RED PLUM. Fruit about 2 inches long. 1 inch through; the one is lemon-yellow, the other plum-red.

YELLOW AND RED PEAR. Distinct shape.

GROUND CHERRY, HUSK OR STRAWBERRY. The small yellow fruit is enclosed in a husk. It is very sweet; prized for eating, preserving and making pies.

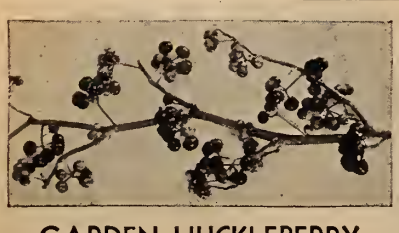
FORCING TOMATOES

We provide choicest strains obtainable for greenhouse work.

BONNY BEST. The most popular American variety, for forcing. Forcing strain.

GRAND RAPIDS.
NEW GLOBE.
MICHIGAN STATE FORCING. Red.
MARHIO. Pink.
LLOYD. Red.
BLAIR. Pink.
URBANA. Pink.
LONG CALYX. Red.
SURESET. Pink.

Price, any of above, pkt., 25c.



GARDEN HUCKLEBERRY

This is a novelty, well described by the above name, which bears racemes or bunches of black berries, tomato-shaped, ½ to ¾ inch in diameter, which make excellent pies and preserves. The bushes are about 3 feet tall. Cultivation is the same as with the tomato, of which this plant is a distant cousin. Pkt., 15c; ½ oz., 40c; oz., 75c.

BORAGE.

ROSEMARY.

For the Herb Garden

INTEREST in herb gardening is reviving for two excellent reasons: the ornamental quality of herbs, and their value for contributing flavor to the menu and fragrance to the home.

To enlarge our herb list it was only necessary for Vaughan's Seed Store, which was established in 1876, to go back to old catalogs when wood cuts were used as illustrations. A few of the wood cuts are reprinted, as they show in excellent detail the habit of growth and leaves of the plants.

To keep herbs over winter, stalks should be cut on a dry day, when not quite in full bloom. They should be dried in the shade and when dry packed tightly in boxes with air excluded. Varieties marked (*) are perennials.

MIXTURE OF ANNUAL HERBS. This is intended to meet the needs of those who want a row or bed of herbs, without buying a full packet of each variety. It contains seeds of these ten annual herbs described below: Anise, Basil, Borage, Caraway, Coriander, Dill, Marjoram, Mountain Fennel, Summer Savory and Tarragon-Russian. Sow in a row, thinning out and transplanting to proper distance. Pkt., 15c.

MIXTURE OF PERENNIAL HERBS. For small gardens—this will give enough plants of each variety to supply the family needs. It contains seeds of these ten perennial herbs described below: Balm, Mint, Pennyroyal, Chamomile, Fennel, Lavender, Rosemary, Rue, Sage, Thyme. Sow in a nursery row and transplant in the fall to the permanent location. Pkt., 15c.

One packet of each of above herb mixtures (2 packets) for 25c.

ANISE. Used for garnishing, seasoning and for cordials. Pkt., 10c; oz., 25c.

***BALM.** Used for making Balm wine and tea. Pkt., 10c; oz., 50c.

BASIL, Sweet. The leaves are used for flavoring soups and stews. Pkt., 10c; oz., 25c.

BORAGE. Flowers excellent for bees. Leaves used in salads. The flower spikes can be used in cooling drinks. Pkt., 10c; oz., 25c.

CARAWAY. Seeds are used for flavoring bread, pastry, meats, etc. Pkt., 10c; oz., 25c.

***CATNIP or Catmint.** Grown for bee pasture. The leaves and young shoots are used for seasoning. Pkt., 10c; oz., 75c.

***CHAMOMILE (Anthemis Nobilis).** The dried flowers possess medicinal value. Pkt., 15c; oz., 50c.

***CHIVES.** Member of the onion family used for flavoring. Plants, 3 for 65c; 12 for $2.00.

CORIANDER. The seeds are used for flavoring. Pkt., 10c; oz., 20c.

DILL. Leaves are used in pickles and for flavoring soups and sauces. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

***FENNEL.** The leaves boiled are used in fish sauces and are beautiful for garnishing. The seeds are used for flavoring. Pkt., 10c; oz., 20c.

FENNEL, Wild or Mountain. Used for gums and medicinal purposes. Pkt., 10c; oz., 25c.

***HOREHOUND.** The leaves are used for flavoring and also in the manufacture of cough remedies. Pkt., 10c; oz., 50c.

***LAVENDER.** The leaves are sometimes used for seasoning, but the plant is chiefly grown for its flowers, which are fragrant. Two kinds,

***Lavender True (Lavendula vera).** The best. Pkt., 10c; oz., 65c.
Plants, 3 for 85c; doz., $2.50; 100, $15.00.

***Lavendula spica.** Not quite so strong. Pkt., 10c; oz., 30c; ¼ lb., 85c.

MARJORAM (Sweet). The leaves and ends of shoots are used for flavoring in summer and dried for winter use. Pkt., 10c; oz., 35c.

***MINT, Old Fashioned.** For mint sauce and juleps. Pkt., 10c; oz., $2.50. Plants, 3 for 65c; doz., $2.00. By mail, add 5c each; doz., 20c.

***PENNYROYAL.** Leaves are used for seasoning puddings. Pkt., 10c; oz., 60c.

***PEPPERMINT.** The leaves and stems are used for flavoring and for oils. Pkt., 25c.

***ROSEMARY.** The leaves are used for seasoning. Pkt., 10c; 1 oz., 75c.

***RUE.** For medicinal purposes; good for fowls, for the roup. Pkt., 10c; oz., 45c.

SAFFRON. Used for coloring certain dishes, also flavoring. Pkt., 10c; oz., 45c.

***SAGE, Holt's Mammoth.** The plants attain a height of 1 ft. the first season. They are perfectly hardy and make a still larger growth the second season. Plants, 3 for 65c; 12 for $2.50; 100, $15.00. By mail, add 5c each; doz., 20c.

***SAGE.** Leaves and tops are used for seasoning and stuffing. Pkt., 10c; ½ oz., 30c; oz., 50c.

SUMMER SAVORY. The leaves and young shoots are used for flavoring. Pkt., 10c; oz., 25c.

RUSSIAN TARRAGON (Artemisia sacrorum.) An annual form of tarragon, popular in Russia, easily grown from seed and giving the same flavor as the perennial plant. To make tarragon vinegar, steep the leaves, green or dried, in ordinary vinegar. Pkt., 25c; ½ oz., 75c; oz., $1.25.

TARRAGON TRUE. (Artemesia Dracunculus.) The well known Tarragon herb, will not grow from seed. Plants, 3 for 85c; 12 for $2.50.

***THYME.** Used for seasoning; a tea is also made for nervous headache. Pkt., 10c; ½ oz., 40c; oz., 75c.

***WALDMEISTER (Asperula Odorata).** Used in May Wine and for scenting clothes. Pkt., 10c.

***WORMWOOD.** Beneficial for poultry. Pkt., 10c; oz., 45c.

SWEET MARJORAM—MAJORAN—MARJOLAINE.

Vaughan's Famous Surprise Garden Mixture

5848 **SURPRISE GARDEN MIXTURE.** Oz., **25c.**

80 Different Annual Flowers

Growing 1 to 3½ Ft. Tall. One Oz. - - 25c

If You Want the Thrill of Real Adventure This Year Be Sure to Sow This Mixture.

REAL thrills in gardening are won by discovering new flowers. You can do this in your own home grounds, by sowing this mixture. It is not a collection of left-overs; but a carefully prepared formula of more than eighty different annual flowers, many of which you have never seen. We want you to know them, and you will be delighted to make their acquaintance. Your bed or row of Surprise Garden Mixture will delight you and your garden visitors from early summer until the fall freeze-up. Plant freely, but not too thickly, in a special bed or in rows in the vegetable or cutting garden. Keep watered and weeded, and remove the faded flowers. A packet with your card mailed to a friend will be a much appreciated gift.

No. 5848

Oz., 25c; ¼ lb., 80c; 1 lb., $3.00.

Annual Flower Seeds

ABRONIA (Sand Verbena) □

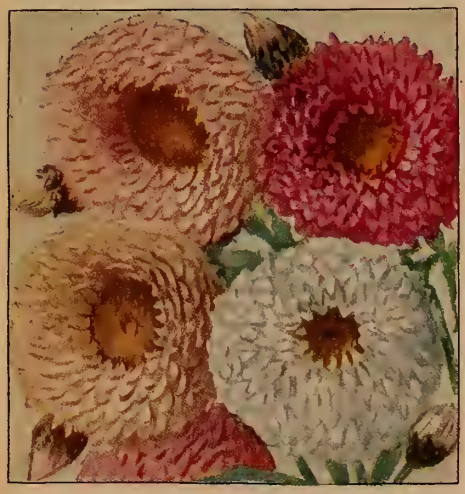
Culture: A or B (May 15th), D or E (Feb.-May)

100 × 6 in. A trailing, succulent plant, with Verbena-like flowers of bright rose with white center in late summer and fall. Pkt., 10c.

ABUTILON

Culture: D or E (Feb.-March)

122 Giant Flowered Mixed (Flowering Maple). ÷ 3 to 4 ft. Its ornamental leaves are often variegated and it bears bell-shaped flowers of salmon, buff and pink in late summer. Pkt., 25c.



166 **ACROCLINIUM** Double Giant Mixture. Pkt., **25c.**

ACROCLINIUM (Everlasting) □

Culture: A or B (May 15th-July 1st), D or E (March-May)

Its graceful, daisy-like flowers, when cut in the bud state, can be dried for winter bouquets. It blooms in 6 weeks from time of sowing. Height, 20 in.

150 Double Pink. **155 Double White.**
160 Single Mixed. **165 Double Mixed.**
Each of the above: Pkt., 10c.

166 Double Giant Mixture. This large-flowering type is twice the size of the preceding one, with long, stiff stems; flowers are double and semi-double; white, chamois, flesh color and bright rose. Pkt., 25c; 3 pkts. for 65c.

ADONIS □

Culture: A or B (March-June)

170 Aestivalis (Pheasant Eye). 1 ft. Early blooming annual with deep crimson flowers and feathery foliage. Sow where plants remain. Pkt., 10c.

171 Autumnalis (Red Chamomile). 2 ft. Of somewhat straggly growth with finely divided foliage, its flowers are rich scarlet freely produced in summer and autumn. Pkt., 10c.

Ageratum

Culture: A or B (May 15th-July 1st), D or E (February-April)

These free flowering, quick growing annuals, which bloom throughout the summer, until late fall, are invaluable as a source of the blue-lavender tones which are demanded to balance the color-effect of every planting. Varying in height from 6 in. to 3 ft., you may use them to fill many different garden roles. The taller varieties are useful for cutting.

180 Mexicanum Coeruleum. 18 in. Soft lavender-blue. ¼ oz., 25c; pkt., 10c.

185 —White. 18 in. Pkt., 10c.

187 Purple Perfection. 8 in. (Improved Blue Perfection.) Vivid dark purple. Compact plant bearing large flowers, freely produced. Fine for ribbons, and edging. ⅛ oz., 25c; pkt., 15c.

190 Tall Sorts Mixed. ¼ oz., 25c; pkt., 10c.

196 Blue Ball. 8 in. Deep, dark blue. The plant is dwarf and symmetrical. In full bloom it is covered with small flowers, giving the appearance of a blue ball. ¼ oz., 35c; pkt., 15c.

200 Blue Cap Improved. 6 in. Definitely more dwarf than Blue Ball, more compact in habit, with smaller leaves, it is superb for edgings and ribbon planting. Bright, deep, rich lavender blue. Pkt., 25c.

199 Little Silver Star. 4 in. When flowering they are so thickly covered with silver grey star-like flowers that the small light green leaves are hidden. Pkt., 25c.

AGERATUM—Continued

202 Imperial Dwarf Blue. 6 in. Of compact growth, covered with heads of feathery flowers of deep lavender. ⅛ oz., 25c; pkt., 10c.

208 Little Dorrit White. 6 in. Pkt., 10c; ⅛ oz., 25c.

209 Little Dorrit Blue. 6 in. Pkt., 10c.

217 Little Blue Star. 4 in. Flower opens light blue with purple center and develops to a bright blue self. ⅛ oz., 40c; pkt., 15c.

220 Lasseauxi. 3 ft. Clusters of handsome rose-colored flowers. ⅛ oz., 25c; pkt., 10c.

See Also Novelties

196 **AGERATUM** Blue Ball. Pkt., **15c.**

KEY TO SYMBOLS: □Annuals. ⁂Biennials. ①Perennials. ÷Greenhouse Plants. +House Plants. =Climbing Plants. ×Rock Garden Plants.

Alyssum, Queen of Whites

Ideal for Edging and Ribbon Plantings

Culture: A or B (March-July); D or E (March-May)

OF all garden flowers, none is better known, or more cherished, for its beauty and fragrance, and the memories associated with it. It is truly queen of edging plants whether grown in a continuous ribbon, or alternated with blue lobelia, yellow signata marigold, or dwarf ageratum. Its white flowers never fail: it is amazingly vigorous and hardy, and exceptionally uniform in height and size.

255 Vaughan's Little Gem (White Carpet). □ 4 in. The plants are so completely covered with snow-white blossoms they create the impression of a beautiful white carpet. ¼ lb., $2.00; 1 oz., 75c; ½ oz., 40c; ¼ oz., 25c; pkt., 10c.

257 Little Dorrit. □ 4 in. It forms perfect little bushes, smothered with miniature white flowers. 1 oz., 75c; ¼ oz., 25c; pkt., 10c.

250 Maritimum (Sweet Alyssum). □ 10 in. Flowers white and honey-scented, produced from early in the season, until freezing. Mix the seed with sand to prevent sowing too thickly. ¼ lb., 60c; 2 ozs., 40c; 1 oz., 25c; ½ oz., 15c; pkt., 10c.

260 Lilac Carpet Plant. □ 9 in. Distinct variety with delicate lavender flowers which deepen in color with the approach of cold weather. Today, Oct. 21, we have a vase of these on our desk of true deep lilac color from plants that a few weeks ago had only white tinged lavender flowers. ½ oz., 40c; ¼ oz., 25c; pkt., 10c.

261 Compactum Lutescens. □ 8 in. Dwarf, cream or straw color. ¼ oz., 25c; pkt., 10c.

See also Perennial Pages and Novelties.

255 Ribbon Planting of Vaughan's ALYSSUM Little Gem. Pkt., 10c.

ANCHUSA Capensis

Culture: A or B (Mar.-June), D or E (Mar.-April)

310 Summer Forget-me-not. □ 2 ft. Gentian-blue flowers, borne in drooping clusters from July to October. Similar to the Forget-me-not, blossoms larger and of finer color. ⅛ oz., 15c; pkt., 10c.

ANCHUSA Blue Bird

311 Growing about 18 inches high, of compact habit and bearing its flowers in a luxuriant bouquet at the top of the plant. Flowers are of a vivid indigo blue and of brilliant effect in any scheme for the decoration of beds and borders, blooms all summer. ⅛ oz., 25c; pkt., 15c

275 AMARANTHUS (Tricolor). Pkt., 10c.

AMARANTHUS □

Culture: A or B (May-June), D or E. (April-May)

Tall, vigorous ornamental foliage plants, with showy flower clusters, which attain their finest coloring in hot, sunny locations. Rich soil increases the size of leaves at the expense of their color. Give plenty of room.

267 Caudatus (Love Lies Bleeding). 3 ft. Drooping red spikes. Pkt., 10c.

268 Combustion. 3 ft. Dark red foliage. 10c.

269 Cruentus (Prince's Feather). 3 ft. Dark red feathery flowers. Pkt., 10c.

270 Molten Fire. 3 ft. Brilliant Poinsettia-like tips. Pkt., 10c.

273 Salicifolius (Fountain Plant). 3 ft. Willow-leaved. Red and yellow drooping foliage. Pkt., 10c.

275 Tricolor (Joseph's Coat). 2½ ft. The inner foliage is of blackest bronze, tipped with green, the outer bright scarlet and gold. ⅛ oz., 25c; pkt., 10c.

285 Vaughan's Special Mixture. A well balanced mixture of the above and others. ¼ oz., 25c; pkt., 10c.

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295 AMMOBIUM (Winged Everlasting). 10c.

ANGEL'S BREATH —See Gypsophila Elegans.

313 ANGELONIA Grandiflora. Pkt., 25c.

314 ANTHEMIS Arabica, yellow. Pkt., 20c.

315 ANTIGONON Leptopus, Mexican Mountain Rose Pink. Pkt., 10c.

470 ARTEMISIA—(Summer Fir). 3 to5 ft., 10c.

473 ASCLEPIAS Curassavica (Sunset Glow). Orange-red. Pkt., 15c

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ASPERULA—Blue Woodruff □

Culture: A or B (March-June), D or E (February)

490 Azurea Setosa. A dainty little annual growing up to a foot high and producing terminal clusters of gray blue flowers from June until August or later, according to the time seeds are started into growth. The best results follow early sowing. The plant thrives in almost any situation as to soil or exposure. Pkt., 10c.

For Asperula Odorata, see Perennial Pages.

307 ANAGALLIS Coerulea, Pkt., 15c.

Anagallis (Pimpernel)

Culture: A or B (May 15th), D or E (February-March)

307 Coerulea. 8 in. One of the most conspicuous low growing blue flowers, but must have a sunny place to do well. The plants spread rapidly and bloom freely. The flowers are of a real turquoise-blue. ⅛ oz., 30c; pkt., 15c.

305 Mixed. 6 in. Dwarf plants, blue and scarlet flowers, effective as edgings, also charming on rock-work and in pots. ⅛ oz., 25c; pkt., 10c.

450 ARCTOTIS Blue-Eyed African Daisy 10c.

African Daisy (Arctotis)

Culture: A or B (May 15th), D or E (February-March)

449 Breviscapa Aurantiaca. The daisy-like flowers have petals of a most pleasing dark orange color which turns lighter toward the center. The under sides are of a brownish tint. Pkt., 25c.

450 Grandis (Blue-Eyed African Daisy). 3 ft. It forms bushes bearing 2 inch daisy flowers of pearly white with a gold band surrounding a delicate mauve center. It closes at evening and displays its lilac tinted undersides. Foliage gray green. Especially good cut flower. Oz., $1.00; ½ oz., 60c; ⅛ oz., 25c., pkt., 10c.

451 New Hybrids. 8-12 inches. A new race of African daisies rivaling in size and variety of coloring the famous gerberas, which they closely resemble, but much easier to grow in the garden. Flower 2½ to 3 inches; likes a dry, sunny location. Excellent as a border plant and fine for cutting. Pkt., 25c.

452 Scapigera. Flowers 3 inches in diameter, resemble those of the Shasta Daisy, of a soft lilac, on long slender stalks, about 18 inches in height. In bloom all summer and fall. Pkt., 35c.

Vaughan's Giant Snapdragons □

Culture: A or B (March-April), D or E (Febr.-March)
By developing a strain of snapdragons immune to rust, scientists of the University of California have restored this brilliant flower family to leadership as a garden subject. Rust is a widespread disease which discolors the leaves and saps the vitality; if you have found snapdragons difficult to grow, rust is probably responsible. Growing the Rust-proof strain, difficulties disappear. Seeds germinate better, plants are more vigorous, the foliage clean, flowers large and of fine color and the flowering season prolonged.

ANTIRRHINUM □

Rust-Proof Maximum, Giant Flowered Spikes 32 inches tall, and blooms 2 to 2½ inches across.

341 **Maximum Alaska.** White.
342 **—Autumn Glow.** Copper shades.
343 **—Campfire.** Pure luminous scarlet.
344 **—Canary.** Yellow.
345 **—Fair Lady.** Silver pink with white tube and yellow tip on lip.
346 **—Loveliness.** Pure soft rose-pink.
347 **—Red Cross.** Deep rich crimson, white tubes.
Price, any of above, pkt., 20c; any 3 pkts., 50c.

No. 348 MIXED
All the above Rust-proof Maximum Snapdragons Mixed. Pkt., 25c; 3 pkts., 65c.

350 **University of California Mixture.** All the dwarf and semi-dwarf sorts in a wonderful range of colors. Pkt., 15c.

See Also Novelties

Non-Rust Proof

"MAJESTIC," Half Dwarf Sorts

A new English type with flowers of the Maximum and height of the Semi-tall.

315B **Appleby Matthews.** Orange buff, white throat.
315A **Avalanche.** Masses of snowy white flowers.
316A **Dawn O'Day.** Flowers open a pale rose pink, quickly developing into a pure apricot, with flush of gold towards center.
316B **Delight.** Delicate salmon-pink.
316 **Eldorado.** Deep golden yellow.
316C **Evensong.** Soft chamois pink, blending through apricot to buff.
317 **Golden Dawn.** Golden buff with salmon.
318 **Orange King.** An exquisite blend, rich terra-cotta above, the lip golden yellow merging to pure deep orange at the base.
319 **Red Chief.** Rich deep scarlet.
323 **Rose Beauty.** A charming rose pink self.
323A **Rosella.** Wonderful rich glowing rose.
320 **Rose Marie.** Light salmon rose golden rose.
321 **Sunset.** Bright terra cotta above, blending downward to rosy salmon.
322 **Twilight.** Delicate apricot with yellow and salmon shading.
Price, each of above: pkt., 25c; any 3 pkts. for 65c.
324 **Majestic Mixed.** ⅛ oz., 40c; pkt., 25c.

Semi-Tall Sorts, 18 to 20 Inches

These are recommended for most beds and borders as they require no staking. The flowers have many new shades and tints

363 **Amber Queen.** Amber overlaid chamois pink, gold lip.
368 **Black Prince.** Nearly black, small dark leaves.
371 **Bonfire.** Orange or flame color.
377 **Canary Bird.** Light lemon-yellow.
381 **Daphne.** Deep rose pink.
378 **Defiance.** Cinnabar scarlet.
379 **Empress.** Rich crimson.
383 **Fascination.** Pale pink.
385 **Firebrand.** Fiery scarlet.
384 **Flame.** Brilliant orange-scarlet.
386 **Gloria.** Rose and white.
390 **Golden Queen.** Rich yellow.
394 **His Excellency.** Brilliant orange scarlet with dark throat.

349 **RUST-PROOF SNAPDRAGON.** Varieties Illustrated: 1. Canary Yellow. 2. Campfire. 3. Loveliness. 4. Autumn Glow. 5. Alaska. 6. Red Cross. 7. Fair Lady. 1 Pkt. Each, 7 Pkts., **$1.00.**

425 **ANTIRRHINUM** **Vaughan's Special Mixture of Snapdragons.** Includes the best of the maximum, majus grandiflorum and majus nanum varieties and a packet will furnish you with a never-ending color combination of long stemmed cut flowers. 1 oz., $1.50; ¼ oz., 40c; ⅛ oz., 25c; pkt., 15c.

SEMI-TALL—Continued

396 **Mauve Beauty.** Rosy mauve.
398 **Nelrose.** Old rose, shaded blush.
404 **Prima Donna.** Terra-cotta pink.
403 **Queen of the North.** Large white.
404B **Red Emperor.** Rich deep scarlet.
405 **Rose Dore.** Salmon-rose, shaded gold.
407 **Silver Pink.** Pearl pink self.
407C **Tangerine.** A brilliant attractive shade
410 **The Fawn.** Terra-cotta pink, suffused yellow.
Any of the Semi-Tall sorts, pkt., 10c; 3 for 25c.
409 **Semi-Tall Mixed (Majus Nanum).** ⅛ oz., 25c; pkt., 10c.

Large Flowering Dwarf, 16 Inches

356 **Daffodil.** Pale lemon yellow with a broad band of deeper shade across the center.
357 **Madonna Improved.** White.
358 **Rose Eclipse.** Deep lustrous rose.
Price, each of the above, pkt. 10c. 3 pkts. for 25c.

For Cultural Instructions, See page 87.

Tom Thumb Varieties, × 8 Ins.

Suited for edging beds, and pot plants.

438 **Fireball.** Dark red, deep violet throat.
430 **Pink.** 431 **Yellow.**
435 **Snow Queen.**
Price, each of the above, pkt., 10c; 3 pkts. for 25c.
445 **Tom Thumb Mixed.** ⅛ oz., 25c; pkt., 10c.

ROCK HYBRIDS ×

A delightful new strain forming compact tufts 4 to 6 inches high, covered with miniature flowers. Excellent for rockeries, small beds and edgings, as well as for plants in the greenhouse.

439 **Pink Gem.**
436 **Sutton's Little Gem** Miniature hybrids 4 to 6 in. tall, suitable for rock gardens or edging, in many lovely shades.
440 **White Gem.**
Each of above, pkt., 25c; 3 pkts., 65c.

BELLIS PERENNIS FL. PL. ⁂ English Daisy, 6 to 8 Inches

Culture: C (June-Sept.), Set out Sept.-Oct.

These jolly little flowers are popular because of their bright color, their profuse and long blooming period, and their dwarf compact growth.

1126 **Glory of Frankfurt.** Brilliant dark red. Pkt., 25c.
1119 **Monstrosa Alba.** Large white. Pkt., 15c.
1123 **Monstrosa Rosea.** Large pink. Pkt., 15c.
1131 **—Mixed.** ⅛ oz., 35c; pkt., 15c.
1116 **Double Choice Mixture.** ⅛ oz., 30c; pkt., 10c.

AGROSTEMMA

Culture: A or B (March-July), D or E (April-May)

230 **Coeli Rosa (Rose of Heaven).** □ 1 ft. Hardy annual of light, graceful habit; flowers pale rose, shaded white. Sow in the vegetable garden (as you would radishes) at intervals, and enjoy a continuous supply of cut flowers all summer. ¼ oz., 25c; pkt., 10c

1131 **BELLIS** Monstrosa Double Mixed. **15c.**

564 **WILT RESISTANT ASTER** Crego, Lavender, Pkt., **15c.** 575 Crego Mixed, Pkt., **15c**

929 **WILT RESISTANT ASTER** Heart of France. Pkt., **15c.**

898 **WILT RESISTANT ASTER** Giant Branching Mixed. Pkt., **15c.**

Vigorous, New Wilt Resistant Asters

REMARKABLE progress has been made in breeding Asters resistant to Fusarium Wilt. This disease is widespread, but even if not in your neighborhood, you will find the Resistant Asters so much more vigorous and productive, it will pay to use them. While these asters are not immune from the Yellows disease, which is insect-borne, and distinct from the Wilt, they are far less susceptible to infection and injury from it. Where we offer the Wilt Resistant Strain of a variety, we have omitted the ordinary strain from our list.

VAUGHAN'S SPECIAL WILT RESISTANT MIXED

915 A specially prepared mixture containing in balanced proportion all the wilt resistant varieties we offer, including all types and colors. An outstanding value for the cutting garden, or mixed bed or border. ⅛ oz., 40c; pkt., 15c.

946 Wilt Resistant. Pink Shades Mixed.
947 Wilt Resistant. Light Blue Shades Mixed.
948 Wilt Resistant. Dark Blue Shades Mixed.

Price, any of above, ⅛ oz.. 50c; 3 pkts., for 40c; pkt., 15c.

See also Novelties.

Heart of France

929 Opens red as the purest ruby, deepens with age and retains its remarkable color to the very end. The petals appear changeable, showing now a glow and sheen quite unique, now a soft warm velvety texture. 18 to 24 inches.

Price, ¼ oz., $1.25; 3 pkts., for 40c; pkt., 15c.

Golden Sheaf

556 The deepest yellow Aster yet offered and the only one that is Wilt Resistant. The flowers are fully double with an attractive crest-like center of good substance and fine depth of petal. Pkt., 25c.

536 **WILT RESISTANT ASTER** Early Beauty Carmine Rose. Pkt., **15c.**

Giant Branching

The branching habit is accompanied by vigor of growth and profusion of bloom. The flowers are large, very double, stems long and colors vivid. 2 to 3 ft.

901 White. **905** Azure Blue, dark lavender. **908** Sensation.
902 Shell Pink. **906** Purple. **891** Ball's White.
903 Deep Rose. **907** Deep Silvery Rose. **898** Mixed.
904 Crimson.

Price, any of above, ¼ oz., 75c; 3 pkts. for 40c; pkt., 15c.

Giant Crego — Ostrich Feather. 2½ ft.

The flowers are immense on long stems. The petals are curled and twisted, resembling Chrysanthemums. The plants are branching. Flowers in abundance from late August until frost. 24 inches.

559 Azure Blue. **564** Lavender. **568** Violet.
560 Navy Blue. **565** Pink. **569** White.
561 Crimson. **566** Purple. **575** Mixed.
563 Deep Rose. **567** Salmon Pink.

Price, any of above, ⅛ oz., 50c; 3 pkts. for 40c; pkt , 15c.

Early Beauty

Attains a height of 2 to 3 feet of branching habit. Flowers large, borne on long stout stems. Bloom at same time with Crego and Giant Branching.

527 Azure Blue. **530** Lavender. **533** White.
528 Black Prince. **531** Purple. **536** Carmine Rose.
529 Crimson. **532** September Beauty, flesh pink. **534** Mixed.

Price, any of above, ⅛ oz., 50c; 3 pkts. for 40c; pkt., 15c

Queen of the Market (Early Flowering)

The favorite early aster, usually in full bloom two weeks before most others begin to blossom. Of graceful spreading habit. 16 inches.

921 Crimson. **924** White. **928** Mixed.
923 Purple, dark blue. **925** Light Blue.

Price, any of above, ⅛ oz., 50c; 3 pkts. for 40c; pkt., 15c.

Single and Dwarf Asters

Single Southcote Beauty Aster

Free flowering, strain of branching habit, height 2 ft. Blooms in early September.

960 Dark Blue. **966** Scarlet. **970** Light Blue.
964 Bright Rose. **976** White.

Price, each of the above: Pkt., 10c; 3 pkts. for 25c.

985 Southcote Beauty, Mixed, all colors. ⅛ oz., 25c; pkt., 10c.

Dwarf Section ×

They are charming little plants—bushy in habit, completely covered with miniature flowers in dainty colors. Flowers appear early and last for a long time.

500 Vaughan's Snowball. 12 in. The best dwarf white.
501 Vaughan's Pink Ball. 12 in. Lovely shade of pink.
505 Vaughan's Fireball. 12 in. Brightest scarlet.

Price, each of the above: Pkt., 15c; 3 for 40c.

515 Dwarf Bouquet Mixed. 10 in. The plants are little bouquets, each having a dozen or more lovely flowers an inch or more in diameter in delightful shades of shell pink, sky blue, blood red and white. Plant these in rows in the vegetable garden and cut off the complete plant for a bouquet. Pkt., 15c.

521 Dwarf Queen Mixed. 14 in. Fine for pots, beds and borders. Pkt., 10c

New Giant Asters

IN the late summer and early fall the Chinese Asters, with their giant double flowers, of many distinct types and wide range of coloring, are outstanding flowers in the garden and in flower shows. They are also important summer cut flowers, with long stems, and good keeping quality. Plant Asters in new ground each year. They should have heavy, loamy soil and a sunny open situation with a liberal amount of lime and plant food. The plants should be cultivated frequently and tobacco dust sprinkled around the stems. We offer a leaflet on the culture of Asters which is supplied free if asked for at the time of ordering.

Culture: A or B (May 1st-June 15th) D or E (Feb.-May)

Super-Giants

Largest and most fully double asters, with flowers from 6 to 8 inches across, plants 2½ ft. tall, with six to eight long stems. Early flowering.

942 Los Angeles. Pure shell pink, with huge flowers, but of charming form, with curling, interlaced petals, giving a feathery effect. ⅛ oz., 50c; pkt., 25c.

943 El Monte. Like Los Angeles in size, and form, but of a deep glowing crimson. Blooms early and remains in flower for a long season. ⅛ oz., 50c; pkt., 25c.

California Giants

They combine the robust habit of growth and length of stem that characterizes the Beauty type with the Ostrich Feather flower. A true non-lateral type. 36 in.

600 White. **603 Light Blue.** **604 Peachblossom.**
601 Dark Rose. **605 Silvery Rose.** **610 Mixed, all colors.**
602 Dark Purple.

Price, each of the above, ⅛ oz., 50c; pkt., 15c. 3 pkts. for 40c.

Giant Mammoth Peony Flowered

The flowers are immense, very double, borne on long, stout stems, free from laterals. Splendid for cutting as they keep longer than any other variety. 2½ to 3 ft.

931 Azure Fairy. Clear azure blue. **936 Peachblossom.**
935 Maiden's Blush. Delicate flesh. **937 Rosebud.** A clear, deep rose.
933 Purple Robe. Rich purple blue. **934 Swan's Down.** Pure white.

Price, each of the above: ⅛ oz., 50c; pkt., 25c. 3 pkts. for 65c.

938 Mixed. ⅛ oz., 50c; pkt., 25c.

Giant California Sunshine. 3 ft.

The flowers are large, with loosely placed outer petals contrasting with the creamy yellow or blue centers, giving a lacy effect which is quite delightful. Enchantress Pink, a delicate shade of salmon, is especially charming. Comes about 75 to 80 percent true.

883 White. **885 Rose.** **886 Purple.**
884 Enchantress Pink. **885B Light Lavender.** **887 Mixed.**

Price, each of the above: ⅛ oz., 50c; pkt., 25c; 3 pkts. for 65c.

Outstanding Varieties

646 Scarlet King (Beacon). Finest of all red Asters. Plants grow 16 to 20 inches high; of a bushy, branching habit with many fully double flowers of color even more intense than Heart of France. Excellent for cutting. Pkt., 25c.

941 Surprise "Salmongold." When starting to flower the blossom is a pure salmon-yellow and when fully developed a salmon-pink. The single blossom is 2¾ to 3½ inches. Each plant carries on the average 40 to 50 blooms and the cut flowers remain fresh in water from two to three weeks. Pkt., 35c.

Vaughan's Excelsior Mixture of Tall Asters

990 This is a mixture of the most beautiful, striking and distinct colors of all the tall-growing asters, including the varieties listed and others especially purchased for this mixture. ⅛ oz., 50c; large pkt., 25c; pkt., 15c.

Vaughan's Excelsior Mixture of Dwarf Asters

725 It is comprised of the most distinct and desirable colors of the different classes of dwarf asters, and many others not listed, especially selected for this mixture. ⅛ oz., 50c; large pkt., 25c; pkt., 15c.

943 **ASTER** Super Giant, El Monte. Pkt., **25c**

886 **ASTER** Giant California Sunshine Purple. Pkt., **25c.**

933 **ASTER**
Giant Mammoth Peony Flowered Purple Robe. Pkt., **25c.**

Imbricated or Pompon Asters

Flowers very freely produced, often as many as 20 to a plant. Blooms very early. The small round Pompon blossoms have an outside row of short guard petals. Blooms about two weeks earlier than Lilliput.

See Illustration for type of flower.

587 White.
588 Rose.
589 Fiery Scarlet.
589A Crimson.
590 Light Blue.
592 Mixed.

Price, each of the above: ⅛ oz., 50c; pkt., 15c; any 3 pkts. for 40c.

588 **ASTER** Imbricated or Pompon Rose. Pkt., **15c.**

Type of **BUSH BALSAM**
1052 Pink. 1051 Mixed.
Each, Pkt., **25c.**

New Bush Balsam

"Gardenia Flowered"

Free-flowering double balsam of bushy growth, flowers appear in clusters on the top of stems like double roses, instead of hidden on side of stems. It is a fine bedding plant. In shades of white, rose and red.

1052 **Pink.** Pkt., 25c. 1054 **White.** Pkt., 25c.
1053 **Red.** Pkt., 25c. Any of above, 3 pkts., 65c.
1051 **Mixed.** ⅛ oz., 50c; pkt., 25c.

BALSAM (Lady Slipper) □ 1½ to 2 ft.

Culture: A or B (May-July), D or E (April-May)

An old and favorite garden flower, producing the double flowers clustered in the axils of the leaves on short stems. The plants are sturdy and bushy and like hot sun, rich soil and plenty of water. For perfect development they should be set 12 to 18 inches apart. The bush balsam is a new type.

1014 **Crimson.** 1018 **Dark Blue.**
1020 **Flesh Pink.** 1022 **Lemon Queen.**
1025 **Lilac.** 1010 **Pure White.**
1023 **Nilsson Rose.** Deep dark rose.
1027 **Prince Bismarck.** Salmon-pink.
1031 **The King.** Brilliant scarlet.
1033 **The Queen.** Malmaison pink.
Price, each of above: Pkt., 10c; any 3 pkts. for 25c.
1040 **Double Rose and Camellia-flowered Mixed.** ⅛ oz., 25c; pkt., 10c.
1050 **Dwarf Balsams Mixed.** 8 in. Perfect little bushes with double and semi-double flowers. Pkt., 10c.
1059 **Goliath Chamois Rose.** 4 ft. A most pleasing color. Pkt. 10c.
1057 **Goliath Scarlet.** 4 ft. Extremely brilliant, large and very double. Pkt., 10c.
1055 **Goliath White.** 4 ft. Remarkable for their immense height and extreme doubleness. Excellent for large and striking flower groups. Pkt., 10c.
1045 **Vaughan's Invincible Balsams Mixed.** Includes everything that is desirable in Balsams. ⅛ oz., 25c; pkt., 10c.

BALSAM APPLE AND PEAR

Culture: A or B (May 15th)

1008 **Mixed** □ = 10 ft. Ornamental and quick-growing climber. Excellent to use in covering unsightly places. The flowers are followed by ornamental fruits. Pkt., 10c.

BALLOON VINE (Love in a Puff)

Culture: D or E (February-March)

995 □ = A clean, free-growing vine reaching 10 to 15 feet, bearing delicate clusters of bloom and numbers of large, round, inflated seed-pods resembling miniature balloons. Pkt., 10c.

BLACK-EYED SUSAN—See Rudbeckia (Perennial seeds) and Thunbergia (annual seeds).

1165 **BRYONOPSIS Laciniosa.** Gourd family. Scarlet fruits, striped white. Pkt., 10c.

BURNING BUSH—See Kochia.

1248 **CAMPANULA Attica.** 4 in. Violet. Pkt., 15c.
1249 **—Lorei.** 6 in. Pale blue. Pkt., 15c.

Begonias

For Sun and Shade

Ever-Blooming Bedding Varieties

Culture: D or E (Jan.-March)

A continuous flowering class of greatest value for bedding; the flowers, although small, are of brilliant colors and borne in great profusion from summer to autumn. Seedlings of spring bloom in summer while seedlings of summer make decorative winter house plants.

Begonia Seed is Very Fine. Open packets very carefully over a sheet of white paper.

1071 **Christmas Cheer Red.** The blooms attain a diameter of 2 inches. Dark crimson-scarlet. Pkt., 25c.
1072 **Christmas Pink.** Identical with above variety except the color is warm rose-pink. Pkt., 25c.
1077 **Gracilis Carmen.** Bright rose flowers in clusters well above the deep bronze foliage. Pkt., 50c.
1081 **—Prima Donna.** 1 ft. Brilliant, clear pink, shading to carmine-rose. Pkt., 25c.
1074 **—Radio.** A very large-flowered, shining pure carmine-scarlet. Pkt., 25c.
1076 **—White Pearl.** White, foliage green. Pkt., 25c.
1078 **Dwarf Luminosa.** Large, bright scarlet. Pkt., 25c.
1083 **Semperflorens Elegance.** 10 inches. Of bushy habit, free flowering, bearing large white flowers with a vivid crimson edging. Coming true from seed, as to color and habit, makes an ideal pot or bedding plant. Pkt., 35c.
1086 **—Salmon Queen.** Large salmon flowers with dark leaves. Pkt., 35c.
1088 **—Winter Romance.** The foliage is juicy light green, the flowers are carmine pink. Pkt., 35c.
1090 **Semperflorens Mixed.** Pkt., 10c.

See also Novelties

Tuberous Begonias

For brilliancy of color, duration and profusion of bloom, few plants can compare with the tuberous-rooted Begonias for greenhouses and for summer bedding. Start the tubers indoors in January or February, in moist sand, with bottom heat of at least 70 degrees. After they are well sprouted and develop good roots, pot them in 4-inch pots, in good soil. Plant out in somewhat shady location after frost danger ends.

1101 **Lloydii.** This variety is excellent for hanging baskets or window boxes, owing to its drooping habit. The flowers are pendulous, double in form, and in various tones of rose and carmine. Pkt., 50c.
1100 **Narcissus Flowered.** Resemble large Trumpet Narcissi. Various tones of scarlet and carmine, light and dark yellow, orange, buff, rosy white, and many new tones of rose from light to dark. Pkt., 50c.
1103 **Double Mixed.** Producing on strong, erect stems an abundance of very double flowers, ranging from brilliant rose to carmine, often with white margin or mottling. Pkt., 50c.
1105 **Frilled Mixed.** Best frilled flowers. Pkt., 35c.
1099 **Single Mixed.** Saved from finest exhibition varieties having large, well-formed flowers of many tones of red, orange, pink, salmon, etc. Pkt., 35c.

See Also Novelties

1086 **BEGONIA** Salmon Queen. Pkt., **35c.**

1146 **BRACHYCOME** Mixed
(Swan River Daisy). Pkt., **10c.**

Brachycome

(Swan River Daisy) □

Culture: A or B (May 15th), D or E (March-April)

A free-flowering, dwarf-growing annual, 12 inches tall, covered during the greater part of the summer with a profusion of dainty flowers which resemble small cinerarias, suitable for edgings, small beds or pot culture.

1140 **White.** 1143 **Blue.**
1141 **Pink.** 1146 **Mixed.** ⅛ oz., 25c.
Price, each of the above; pkt., 10c.

1155 **BROWALLIA** Speciosa Major.
Pkt., **25c.**

BROWALLIA □

Culture: A or B (April-June)

Profusely blooming bedding plant, covered during summer and autumn with flowers of a rare shade of intense blue, grows freely in any rich soil; blooms well in the winter if lifted and cut back. In the garden they grow with 12 inch stems and make fine cut flowers, useful in color combinations.

1157 **Elata Blue.** Pkt., 10c.
1156 **Elata White.** Pkt., 10c.
1160 **Elata Mixed.** Blue and White. Pkt., 10c.
1161 **Sapphire.** 10 in. Sometimes bearing over a hundred dark blue flowers with a white eye, suggesting a large flowered Lobelia. Pkt., 35c.
1155 **Speciosa Major.** Brilliant ultramarine blue; a rare color; for border or hanging baskets. Pkt., 25c.
1154 **Speciosa Major Alba.** White. Pkt., 35c.

1610 **CENTROSEMA (Butterfly Pea).** Pkt., 15c.

For Cultural Instructions, See Page 87.

New Types in Calendulas

1200 **CALENDULA** Campfire. Pkt., **15c.**

1203 Shaggy. 18 in. Long fringed petals overlapping form a flower resembling some chrysanthemums. Deep orange turning lighter at the center gives a two-tone effect. Long stems. Pkt., 10c.

1189 Sunshine. Large, double flowers are of beautiful form and borne on exceptionally long, stout stems, while the petals are long, broad and drooping, giving the flower a globular form. Owing to its pleasing buttercup-yellow color, its remarkably distinct and informal shape, it is a delightful addition to the garden picture. Free from calendula odor and keeps well in water. ½ oz., 60c; ¼ oz., 40c; pkt., 10c.

1202 Pastel Bedding Mixture. A balanced selection of dwarf varieties, in light apricot, salmon, orange, lemon and cream. Pkt., 10c.

1197 Moonlight. A beautiful soft cream yellow, with petals of the chrysanthemum type, nearest approach to white of all calendulas. ¼ oz., 80c; pkt., 15c.

1190 Orange King. 18 in. Outer petals are slightly imbricated, while the centers are incurved. A glowing orange. ¼ oz., 25c; pkt., 10c.

1199 Radio. The flowers are medium size, and clear orange. The petals are beautifully quilled, giving an extraordinary beauty. Pkt., 10c.

1193 Sulphur Queen. 20 in. Large sulphur-yellow. ¼ oz , 25c; pkt., 10c.

1205 Mixed, all colors. For woodlands and perennial borders. ¼ oz., 20c; pkt., 10c.

Pot Marigolds ☐

Culture: A or B (March-May), D or E (March-April)

An old-fashioned annual glorified by plant breeding, which increased its size, purified its colors and improved its form. The finest new varieties retain the vigor and free blooming qualities of the race, flowering from early summer until freezing, with continually improving size and quality.

1198 Apricot. A flat petaled variety of a bright apricot shade, deepening slightly towards the center. Pkt., 10c.

1194 Ball Gold. Pure gold. ¼ oz., 80c; pkt., 15c.

1192 Ball Masterpiece. Extra long-stemmed, deep orange with brown center. ¼ oz., 80c; pkt., 15c.

1191 Ball Orange. It has fine stems and immense double flowers of a brilliant glistening orange. ¼ oz., 80c; pkt., 15c.

1200 Campfire. Flowers grow 4 inches wide, completely double, are of a deep orange overlaid with a distinct scarlet sheen. It grows vigorously with exceptionally strong, heavy stems. An improvement on Sensation. Oz., $1.25; ½ oz., 75c; ¼ oz., 50c; pkt., 15c.

1191 **CALENDULA** Ball Orange. Pkt., **15c.**

1206 CALENDULA Vaughan's Special Mixture. Besides listed varieties, this mixture includes many others, giving a delightful collection for cut flower use or exhibition. Prepared by a formula which assures balanced representation of colors and types. Oz., $1.25; ¼ oz., 35c; pkt..... **15c**

Grow Cacti From Seed

Culture: D or E (March-April), C (May-June)

We offer seeds of popular types in mixture, and a few better known varieties separately; also a collection of ten varieties in separate packets. Growing Cacti from seed is an easy and interesting pastime, each miniature plant being as perfect as the parent, and most of the varieties here offered developing comparatively fast. The seeds germinate irregularly, over a period of from 14 to 40 days. We also offer a booklet, "**Cacti in the Home.**" Price, 35c.

1252 Cereus (Column cacti) mixed.

1253 Echinocactus (Hedgehog-cacti) mixed.

1254 Echinocereus (Cluster-cacti) mixed.

1255 Echinopsis (Tube-flowering hedgehog-cacti.)

1256 Mamillaria (Wart cacti) mixed.

1257 Opuntia (Fig-cacti) mixed.

1251 Cacti. All kinds and forms mixed.

Price, any of above; pkt., (50 seeds) 25c; 5 for $1.00.

1251A Collection. 10 sorts, each in illustrated bag with cultural directions. Each, $1.00.

1258 Cephalocereus Senilis (Old Man Cactus). Pkt., (20 seeds) 25c.

1258A Cereus Grandiflorus. (Night Blooming Cereus). Pkt., (10 seeds) 35c.

1259 Lithops Lesliei (Flowering Stones). Pkt., (15 seeds) 35c.

CACALIA (Tassel Flower) ☐ 2 ft.

Culture: A only (May 15th)

Each flower is a miniature paint brush produced on long wiry stems which make it an excellent cut flower.

1172 Aurea. Pkt., 10c. **1171 Scarlet.** Pkt., 10c.

1170 Mixed. Scarlet and yellow. ⅛ oz., 25c; pkt., 10c.

1245 **CALLIOPSIS** Vaughan's Special Mixture. Pkt., **10c.**

Gay Calliopsis Clan ☐

Culture: A (March 1st-June 1st)

The annual coreopsis, its flowers are similar in form, but many are marked with bands or centers of contrasting tones. Colors include variations of yellow and orange including brown, maroon and almost crimson. They are thrifty, vigorous, bloom throughout the summer and often self-seed.

1210 Crown of Gold. 20 in. Pure golden yellow. 2 inches across, on long, wiry stems; hardy and blooms nearly all season. ¼ oz., 25c; pkt., 10c.

1224 Dazzler. 6 to 7 in. Large, rich maroon-red flowers with broad golden-yellow border. ¼ oz., 30c; pkt., 10c.

1216 Drummondi, Golden Wave. 2 ft. Yellow with circle of crimson-brown around the eye. Pkt., 10c.

1213 Golden Ray. 6 to 8 in. Golden yellow with dark, purplish brown center. Pkt., 10c.

1217 Nigra Speciosa. 3 ft. Rich reddish maroon. ¼ oz., 25c; pkt., 10c.

1211 Tom Thumb. Crimson King. Height 6 to 7 in., forms a perfect little bush, with rich, dark crimson flowers. Pkt., 10c.

1240 Double Mixed. All colors. Oz., 75c; ¼ oz., 25c; pkt., 10c.

1235 Dwarf Varieties, Mixed. Valuable for small mixed beds and borders. Pkt., 10c.

1245 CALLIOPSIS Vaughan's Special Mixture. It contains all the desirable types and colors of these beautiful flowers. A great number of kinds have been especially selected for it. Oz., 80c; ½ oz., 50c; ¼ oz., 30c; pkt..... **10c**

1170 **CACALIA** (Tassel Flower). Mixed Pkt., **10c.**

1260 **CANDYTUFT** Giant Hyacinth-Flowered. White. Pkt., **10c.**

Candytuft (Iberis) □

Culture: A or B (March-June), D or E (Febr.-March)

For mass planting, interplanting with taller flowers and for edging beds and borders, the candytuft is admirable, and the hyacinth flowered type, bearing flowers in long clusters, makes good cut flowers. Successive plantings give flowers all summer

Note—Candytuft may be sown late in Fall in Tulip beds.

1260 Giant Hyacinth-Flowered White 1 ft. Large, bold spikes of snowy white flowers, habit sturdy and compact. This is an especially select stock. 1 oz., $1.00; ¼ oz., 25c; pkt., 10c.

Umbellata sorts grow about 1 ft. tall with flowers in umbrella form. We offer the following six colors and mixed as noted below.

1275 Alba. White. **1277 Flesh.**
1276 Carmine. **1282 Rose Pink.**
1279 Purple. **1287 Mixed.**
1286 Lilac.

Price, each of the above: Oz., 75c; ¼ oz., 25c; pkt., 10c; 3 pkts. for 25c.

1290 Dwarf Hybrids Mixed. 6 in. Compact plants covered with large flowers, rose, salmon, coral-pink and delicate blush to lilac and purple-crimson. 1 oz., 80c; ¼ oz., 25c; pkt., 10c.

1291 Dwarf White. **1294 Dwarf Crimson.**
1293 Dwarf Rose. **1295 Dwarf Lilac.**

Price, each of above: ¼ oz., 30c; pkt., 10c; 3 pkts. for 25c.

1289 Little Prince. 6 in. Immense spikes of snow-white flowers, borne in great profusion on dwarf, sturdy plants. ¼ oz., 30c; pkt., 10c.

CALCEOLARIA—See page 86.

CALIFORNIA POPPY—See Escholtzia.

CASTOR OIL PLANT—See Ricinus

1250 **CANARY BIRD VINE.** Pkt., **10c.**

Modern Garden Carnations □

Culture: D or E (March-May); A or B (March-July 15th)

DOUBLE carnations of first quality, similar in all respects to the greenhouse product, can easily be grown from seed in the outdoor garden. Plants may be lifted in the fall, cut back, potted, and they will flower again indoors. They are hardy and should have an early start, preferably indoors, or in hotbed or greenhouse.

Giant Enfant de Nice Carnations. Are the result of a cross between two French varieties. They are of compact growth with extremely stiff stems bearing flowers which are up to 2¼ to 2¾ inches in diameter without disbudding the plants. The colors come about 75% true from seeds and give about 90% of plants with double flowers.

1325 White. **1327 Rose.**
1326 Salmon. **1328 Red.**
1329 Mixed from varieties noted above.

Price, each of above: Pkt. (100 seeds), 25c; any 3 pkts. for 65c.

1350 Giant Margaret Mixed. Flowers measuring 3 in. or more; colors include white, pink, crimson and striped. Upright growth. Pkt. (100 seeds), 15c

Improved Early Flowering Perpetual. Plants bloom in about five months from sowing and continue all summer. The flowers are very double, of large size, clove scented. The calyx does not split. They are borne on stiff stems 15 to 18 inches high.

Our strain will produce 90% double flowers and comes true to color.

1336 White. **1340 Scarlet.**
1337 Yellow. **1341 Maroon.**
1338 Rose Pink. **1342 Salmon Rose.**
1339 Flesh Pink. **1343 Mixed all colors.**

Price, each of above: ⅛ oz., 60c; pkt., 25c; any 3 pkts. for 65c.

See also Hardy Perennials.

1390 CARNATION Vaughan's Special Mixture. This is a mixture of the best strains. The plants will bloom the first summer and will produce many flowers equal to the best florist's Carnation. They may be lifted in September, potted and will bloom in the house. Pkt. (100 seeds), ... **25c**

Canterbury Bells (Campanulas)

For late summer bloom.

Culture: D or E (Jan.-April)

Annual varieties of this splendid flower family bloom in about six months from seed, growing to 2½ ft., and bearing six to eight spikes of bloom. A splendid late summer border flower.

1303 Angelus Bell. Deep rose. Pkt., 10c.
1304 Liberty Bell. Intense blue violet. Pkt., 10c.
1306 Mission Bell. Soft clear pink. Pkt., 10c.
1307 Wedding Bell. Satiny white. Pkt., 10c.
1305 Mixed. Contains all the colors so far developed of the annual strain including dark and light blue, pink, rose and white. Pkt., 10c.

CANARY BIRD VINE □ =

Culture: A or B (May 15th-June 20th), D or E (February-March)

1250 A dainty vine 15 to 20 feet, with beautiful cut leaves and delicate flowers of a clear canary-yellow. From fancied resemblance to a bird the plant obtained its name. Does well in shade. ½ oz., 30c; pkt., 10c.

Cardinal Climber

Culture: D or E (March-June), A (May 15th)

1320 A strong and rapid growing annual vine attaining a height of 25 feet, with beautiful fern-like laciniated foliage and covered with fiery cardinal-red flowers from mid-summer to frost. The flowers are about 1 inch in diameter and are borne in clusters five to seven blooms each. Like all Ipomoeas it delights in a warm, sunny situation and good, rich soil. The seed should be soaked in water a few hours before sowing and not planted outside until about May 1. The vines are a favorite play ground of humming birds. ¼ oz., 30c; pkt., 10c.

CHINESE LANTERN PLANT—See Physalis Francheti.

CHINESE FORGET-ME-NOT— See Cynoglossum Amabile

1810 CLIANTHUS Dampieri (Glory Pea of Australia). Bright red, black spot. 15 seeds, 25c.

1390 **CARNATION** Vaughan's Special Mixture (100 Seeds), **25c.**

CLEOME Pungens (Spider Plant)

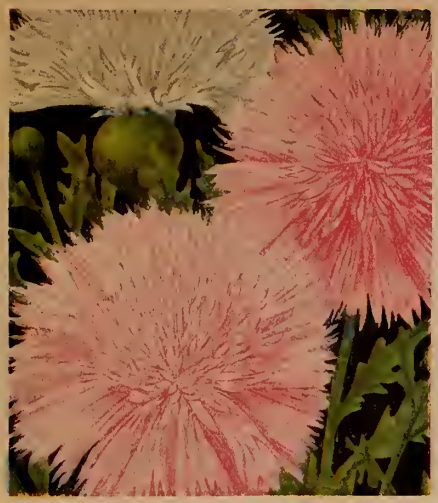
Culture: D or E (February-March)

1800 □ 5 ft. A showy garden annual producing curious heads of flowers of bright rose; of easy cultivation, blooming until late; a good bee plant. Produces unique effect in the border. Pkt., 10c.

1801 Pungens White. Same as above only flowers are white. Pkt. 10c.

Price, one pkt., each of the 2 varieties above, 15c.

1320 **CARDINAL CLIMBER.** Pkt., **10c.**



1570 **CENTAUREA** Giant Sweet Sultan Mixed. Pkt., **10c.**

1580 **CENTAUREA** Yellow Sweet Sultan. Pkt., **10c.**

1535 **BACHELOR'S BUTTONS** Vaughan's Special Mixture. Pkt., **10c.**

Most popular Bachelor's Button of lovely "cornflower blue," is No. 1506, Blue Boy, pkt., 25c. See Front Cover and Page 5 for New Super Doubles.

Annual Centaureas

Annual Dusty Millers, with silvery gray foliage, are No. 1595, Candidissima, 10 in. and No. 1600, Gymnocarpa, 2 ft. Either, pkt., 10c.

Cyanus (Bachelor's Button or Cornflower)

They are easy to grow and bloom continuously. Just sow the seed broadcast wherever you want the plants to flower. If the soil is rich, the flowers will be larger and have longer stems. Make sowings at intervals of three weeks apart, beginning in early May.

Double Flowering Varieties 2 ft.

See Front Cover and Page 5 for New Super Doubles.

1511 **Mauve.** 1512 **Crimson.**
1510 **Pink and Rose Shades.** 1515 **Purple.**

Price, each of the above: ¼ oz., 25c; pkt., 10c; 3 pkts. for 25c.

1520 **Double Mixed.** ¼ oz., 20c; pkt., 10c.

1535 **VAUGHAN'S SPECIAL MIXTURE OF BACHELOR'S BUTTONS** double and single varieties. ¼ oz., 25c; pkt., 10c.

Single Flowering

1525 **Dwarf Victoria, Blue.** 9 in. Neat and compact dwarf variety with a profusion of deep blue flowers, useful for edgings. Pkt., 10c.

Culture: A or B (March-June), D or E (March-April)

Imperialis (Giant Sweet Sultan) 2½ ft.

Finest of all Sweet Sultans for cut flower purposes. The beautiful sweet-scented, artistic shaped flowers are borne on long, strong stems; when cut and put in water will last for several days in good condition.

1566 **Amaranth.** Rich plum color.
1550 **Brilliant Rose.**
1545 **Dark Lilac.**
1565 **Deep Lavender.**
1560 **Purple Crimson.**
1540 **White.**

Price, each of the above: ⅛ oz., 30c; pkt., 10c. 3 pkts. for 25c.

1570 **Imperialis, Mixed.** ¼ oz., 25c; pkt., 10c.

1590 **VAUGHAN'S SPECIAL MIXTURE OF CENTAUREAS.** Includes all the annual Centaureas, and a packet will produce cut flowers all summer. ¼ oz., 25c; pkt., 10c.

Various Centaureas

1480 **Americana (Basket Flower).** 3 ft. A splendid native variety; bears immense thistle-like blooms of rosy lavender color. ¼ oz., 25c; pkt., 10c.

1485 **Americana Alba (Star Thistle.)** 2½ ft. Immense heads of double fluffy blooms, almost pure white. ¼ oz., 25c; pkt., 10c.

1580 **Suaveolens.** 2 ft. (Yellow Sweet Sultan or Grecian Cornflower.) Very showy, large, bright yellow flowers sweetly scented and a popular sort for cutting; lasting well. ¼ oz., 25c; pkt., 10c.

White Leaved (Dusty Millers)

Culture: A or B (March-June), D or E (March-April)

1595 **Candidissima.** 10 in. Thick silvery white leaves. Should be sown early. ⅛ oz., 25c; pkt., 10c

1600 **Gymnocarpa.** 1½ to 2 ft. Foliage finely cut of silvery gray color. ¼ oz., 25c; pkt., 10c.

1730 **Cineraria Maritima Diamond** is also known as Dusty Miller. Pkt., 10c.

See Also Front Cover Offer Page 5.

COBAEA (Cathedral Bells)

Culture: A (May 15th), D or E (March-April)

1820 **Scandens.** □ = 30 ft. One of the handsomest rapid growing climbers. The bell-shaped flowers open a clear green, but turn lilac. Seed should be sown edgewise. Very vigorous and prolific bloomer. ¼ oz., 25c.

1825 **Flore Albo.** White.

1830 **Mixed.** White and blue.

Price, each of the above: Pkt., 10c.

7440 **CHEIRANTHUS** Allioni. Pkt., **10c.**

CHEIRANTHUS

Culture: C (July), A (March-April)

A hardy perennial which blossoms the first year from seed. Sow in late summer, autumn or spring.

7440 **Allioni (Siberian Wallflower).** 1 ft. Dazzling fiery orange flowers, on stems about a foot high. Blooms from seed the first year. Pkt., 10c.

1608 **Golden Bedder.** Fragrant golden yellow flowers, larger than Allioni, are borne for a long season, if faded blossoms are kept picked. Pkt., 20c.

1609 **Kewensis.** 12 in. A brilliant orange-yellow, blooms freely from seed first year. Pkt., 25c.

1611 **Linifolius (Alpine Wallflower).** 9 in. Wallflower-like blossoms of lilac. Pkt., 15c.

For Cultural Instructions See Page 87.

Coleus □

Culture: D or E (January-July)

1860 **Fine Mixed.** Pkt., 10c.

1861 **Large Leaved Copper.** Pkt., 25c

1863 **Large-Leaved Dwarf Mixture.** The coloring is very attractive with many shades and tints of yellow, copper, red, etc. Pkt., 25c.

1855 **Vaughan's Mammoth Rainbow Mixture.** ÷ 2 ft. The handsomest foliage plant obtained from seed. The leaves often measure 8 x 10 inches; their color combinations are remarkably rich. Pkt., 25c.

COSMIDIUM Orange Crown □ 2 ft.

Culture: D or E (February-March)

1930 The flowers are golden yellow with a broad circle of a rich orange around the disc, a pleasing combination. Plants produce a succession of bloom all summer. Pkt., 10c.

COLLINSIA □ 18 in.

Culture: A or B (March-June)

1870 **Mixed.** A genus of Californian and Mexican annuals of some considerable beauty, belonging to the Snapdragon order. They flower from May to July. Grow in groups in good ordinary soil in sunny borders, or in small beds. Pkt., 10c.

1867 **Salmon Beauty.** This new variety is of the purest salmon-rose tone, which, when grown in masses, makes an effective decoration. Pkt., 15c.

1855 **COLEUS** Vaughan's Rainbow. Pkt., **25c.**

1470 **CELOSIA** Spicata. Pkt., **15c.**

Celosia (Coxcomb)

Culture: A or B (May 15th-June 15th), D or E (March on)

THE name coxcomb is derived from the resemblance of the flower heads of the crested type to a cock's comb in form, though in texture they are like plush or chenille. The crested type thrive in light soil and are used for mass effects in beds, or in pots. The plumed type like rich soil. Seeds germinate quickly and should be sown after danger of frost is over.

Ostrich Plume Varieties

They generally form pyramidal bushes branching out in candelabra shape, and the numerous massive plumes which resemble ostrich feathers wave gracefully above the foliage. 2 to 3 ft.

1440 Aurea. Orange. **1446 Rose.**
1445 Coccinea. Crimson. **1450 Mixed.**
Price, ⅛ oz., 40c; each of above: pkt., 10c.

1454 Miracle Cockscomb Mixed. Grows 2-3 ft. high without branches terminated with remarkable cockscombs of enormous size, some round, others cockscomb shape, with surface like velvet plush, others of waved or corrugated appearance. At its best September until frost. Pkt., 25c.

1455 Thompsoni Magnifica. 2-3 ft. A choice strain of the Ostrich Plume Celosias. Pkt., 10c.

1463 Flame of Fire. 18-20 in. Perfect pyramidal habit with center head and many side branches of a lush green. The branches terminate in circular feathery combs of fiery scarlet. Pkt., 25c.

1463 **CELOSIA** Flame of Fire. Pkt., **25c.**

CELOSIA—Continued

1465 Chinese Woolflower, Crimson. Grows rapidly into a plant 2 to 3 feet high with many branches which in turn are branched, each growth terminating in a flower head resembling a ball of scarlet wool The color endures unfading until frost, deepening into crimson scarlet. Pkt. 15c.

1466 Chinese Woolflower, Deep Rose. This variety is exactly like the original Chinese Woolflower, only the color is a deep rose instead of scarlet Pkt 15c.

1467 Chinese Woolflower, Yellow. Pkt., 15c.

1460 Pride of Castle Gould. Compact pyramidal plants produce immense flower heads, resembling willow plumes in many shades. Pkt., 25c.

1475 Dwarf Plume Varieties Mixed. 1½-2 ft. Good for pots. Pkt., 10c.

1470 Spicata. 3 feet. Round, slender pointed spike of bloom, 3 to 4 inches in length and one-half inch in diameter. The flowers at first are a s ft bright rose, changing to silver-white. Pkt., 15c.

Lilliput

The plants attain the height of 12 inches, consisting of 15 to 20 branches of even length all terminated by brilliant feathery cockscombs.

1476 Fire Feather. Red. Pkt., 25c.
1477 Golden Feather. Yellow. Pkt., 25c.

Crested Dwarf Sorts, 8 to 10 in.

1410 President Thiers. Fine dwarf habit with bronzy foliage and large, velvety crimson combs.
1415 Empress. Blood-red combs and brown foliage.
1420 Aurea. Golden yellow combs.
1421 Rose. Rose colored combs.
Price, each of above: Pkt., 10c.
1430 Dwarf Mixed. ⅛ oz., 35c; pkt., 10c.

Crested Tall Sorts, 18 to 24 in.

1431 Chamois. **1433 Golden Yellow.**
1432 Crimson. **1437 Scarlet.**
Price, each of above: Pkt., 15c.
1435 Tall Mixed. ⅛ oz., 25c; pkt., 10c.

1700 **CHRYSANTHEMUM** Vaughan's Special Single and Double Annual Mixed. Pkt., **10c.**

1790 **CLARKIA** Vaughan's Special Mixture. Pkt., **10c.**

Clarkia □ *2 ft.*

Culture: A or B (March-May), D or E (Feb.-March)

The flowers have been described as resembling sprays of double flowering almond, and the rose and pink tones are especially attractive. They are hardy, germinate quickly and flower from July to October. They do well in sandy soil.

1735 Albatross. Pure white of upright growth.
1740 Apple Blossom. Apple blossom.
1743 Brilliant. Double flowers of bright carmine resembling a small carnation.
1744 Chieftain. Delicate mauve, extra double.
1757 Enchantress. A wonderful salmon pink.
1749 Firebrand. Brilliant coppery-scarlet.
1750 La France. Delightful pale salmon pink.
1748 Orange King. Bright orange scarlet.
1751 Purple Prince. Rosy purple.
1755 Queen Mary. Rose carmine.
1761 Salmonea Perfecta. True salmon, extra double.
1770 White Prince. Pure white.
Price, each of above: ⅛ oz., 25c; pkt., 10c; any 3 pkts. for 25c.

1789 Novelty Mixture. A mixture of new and attractive varieties. Pkt., 15c.

1790 Vaughan's Special Mixture. Made up especially from the above named varieties. ⅛ oz., 25c; pkt., 10c.

For Cultural Instructions, See Page 87.

Chrysanthemums to Grow from Seed

1711 CHRYSANTHEMUM Japonicum Anemone Flowered Mixed. The flowers are beautifully quilled, 2 to 3 inches across, extensively varied in color including a wonderful assortment of gold and bronze tones characteristic of this new strain. Blooms from seed the first year, if sown early. Pkt..... **50c**

Annual Varieties

Single Flowering Varieties. 20 in.

Culture: A or B (March-June), D or E (Febr.-March)

Sown in April, they begin flowering in July The double varieties, which grow 4 feet high, make imposing border plants in midsummer. All types should be pinched back to encourage branching.

1635 Burridgeanum. Pure white petals with zone of rich brownish red and inner zone of yellow surrounding the dark brown disc. Pkt., 10c.

SINGLE ANNUAL VARIETIES—Continued

1620 Morning Star. Petals primrose-yellow with halo of deeper yellow; dark-yellow disc. Pkt., 10c.
1714 Nivelli. Produces bushy plants with an abundance of pure yellow single flowers all summer and fall. The flowers measure 2 to 3 inches across and are excellent for cutting. 2½ ft. Pkt., 10c.
1645 The Sultan. Rich wallflower-red with a narrow yellow zone around the brown disc. Pkt., 10c.
1627 W. E. Gladstone. Rich velvety purple, yellow ring. Pkt., 10c.
1655 Vaughan's Special Single Mixed. Showy flowers of bright colors. ¼ oz., 25c; pkt., 10c

Double Flowering Varieties. 4 ft.

1656 Coronarium Double White. Pkt., 10c.
1659 —Double Golden Yellow. Pkt., 10c.
1695 Vaughan's Special Mixture of Double Chrysanthemums. ¼ oz., 25c; pkt., 10c.
1700 Vaughan's Special Mixture. Single and Double sorts in finest mixture, including many varieties not catalogued. ¼ oz , 25c; pkt , 10c.

More New Types of Cosmos

While early varieties begin flowering in July, Cosmos reaches the height of its beauty in the autumn, when it becomes one of the dominant border families. Given plenty of room, the tall plants branch freely, and are effective both in their abundant flowers, and their feathery foliage.
Culture: A or B, D or E (February-April)

COSMOS Sensation, New Giant Early Strain.

Each Pkt., 25c; one each of 3 varieties listed (3 pkts.), 65c.

While flowers are matured within eight to ten weeks after seed is sown, they are larger even than the late flowering strains. They average 4 to 5 inches in diameter, with broad fluted petals which slightly overlap, giving a very full single flower. The flowers are abundant, on long stems, the plants growing 3 to 4 feet tall. Flowering continues until killing frost. This type of cosmos makes a splendid cut flower, and magnificent exhibition blooms can be produced by disbudding.

1968 Pink. A delightful rose-pink selection. Pkt., 25c.
1967 Purity. A white with satin sheen. Pkt., 25c.
1966 Special Mixed. Including white and various tones of pink. Pkt., 25c.

1979 Orange Flare. 4 ft. An early strain of the late flowering tropical variety Klondyke, it blossoms from seed in 100 days, and flowers with increasing freedom until killing frost. Sow outdoors when soil is warm, or indoors with bottom heat of 70 degrees. Give full sun. ⅛ oz., 35c; pkt., 15c.

Early Flowering Mammoth

1935 White. **1945 Crimson.** **1940 Pink.**
Price, each of the above; ¼ oz., 25c; pkt., 10c.
1950 Early Flowering Mammoth Mixed, all colors. ¼ oz., 20c; pkt., 10c

Double Early Flowering

These grow to a height of about three feet, forming a perfect bush, massed with bloom, bearing beautiful flowers of good size, on long stems, about 65 per cent coming double.
1990 Pink. **1991 White.** **1992 Crimson.**
Price, each of the above; pkt., 25c; 3 pkts. for 65c.
1994 Mixed. Above 3 colors. ⅛ oz., 35c; pkt., 25c.
1954 Miniature Golden. 18 in. The rich, yellow, star-like flowers are very attractive on the deep olive green finely cut foliage. They form neat and compact bushes and bloom very freely. Excellent cut flower or edging plant. Pkt., 10c.

1968 **COSMOS** Sensation. Pink. Pkt., **25c.**
1966 **COSMOS** Sensation. Mixed. Pkt., **25c.**

1994 **COSMOS** Double Early Flowering Mixed. Pkt., **25c.**

1950 **COSMOS** Early Flowering Mammoth Mixed. Pkt., **10c.**

1979 **COSMOS** Orange Flare. Pkt., **15c.**

CYCLAMEN—See page 86.

CREPIS (Hawkweed) □ 18 in.

Culture: A or B (March-June)

1998 Showy semi-double star flowers of bright rose color. Bushy plant attractive in the garden and useful for cutting purposes. Pkt., 10c.

1998 **CREPIS** (Hawkweed). Pkt., **10c.**

CYNOGLOSSUM

Culture: A or B, D or E (March-April)

2015 Amabile, Chinese Forget-Me-Not. □ 18 to 24 in. Produces large sprays of brilliant blue Forget-Me-Not like flowers. Grows easily and blooms for a long season. A most delightful addition to our list of blue flowers. ¼ oz., 25c; pkt., 10c.
2017 Amabile Pink. Similar to the above but having lovely bright pink blooms. Pkt., 15c.
2018 —Fairy Blue. 2 ft. Flowers like amabile, of bright Cambridge or sky blue tone. Pkt., 15c.
2016 Linifolium. 9 in. Charming white Forget-Me-Not like flowers with silvery foliage. Pkt., 10c.

CYPRESS VINE □ = 10 ft.

Culture: A or B (April-June), D or E.

A graceful, twining annual climber with delicate, fern-like foliage and a profusion of star-shaped blossoms. Climbs 15 feet and blooms from midsummer to frost. Sow in May, first soaking seeds in warm water.

2040 Mixed Scarlet and White. ½ oz., 20c; pkt., 10c.
2045 Ivy-Leaved Scarlet. Pkt., 10c.

CONVOLVULUS MAURITANICUS—See Perennial pages.

CONVOLVULUS, Morning Glory—See Page 53.

2000 CUPHEA Platycenta (Cigar Plant). Scarlet and black. Pkt., 20c.

2015 **CYNOGLOSSUM** (Chinese Forget-Me-Not) Blue. Pkt., **10c.**

2086 **DAHLIA** Unwin's Dwarf Hybrids. Pkt., **25c.**

2086 **DAHLIA** UNWIN'S DWARF HYBRIDS. Flowering in sixty days from seed. This remarkable strain produces branching plants 2 to 3 feet tall bearing semi-double flowers 3 inches in diameter, of lovely soft pink, lavender, red, orange, yellow and maroon. They flower until frost kills the plants, and produce tubers which can be saved. Pinched back, they make fine pot plants. ¼ oz., $1.00; ⅛ oz., 60c; pkt **25c**

Tuber produced by seedling plant of Unwin's Hybrid Dahlia.

Grow Dahlias From Seed

Culture: D or E (April-May), A or B (May 15-July 1)

All types of dahlias, large flowered, pompon and the small bedding type so popular abroad, may be grown easily from seed and will blossom the first year. The Coltness bedding dahlias, sown outdoors when frost danger is over, will blossom in July, and are no more difficult to handle than zinnias. With the large flowered types, an earlier start is advisable. Sow in a shallow box or pan in March or early April, transplant them carefully as their growth demands, and keep the soil moderately moist. When all danger from frost is over, plant in the garden.

DOUBLE DAHLIAS

2088 Dobbie's Orchid Flowered Mixed. A new type with petals twisted and curled, in a variety of colors. It comes 90 per cent true from seed. 25c.

2080 Double Best Mixed. 3 ft. Saved from show and fancy sorts. Pkt., 25c.

2075 Double Cactus Flowered Mixed. 3 ft. With twisted and curled petals. Pkt., 15c.

2070 Double Good Mixed. 3 ft. Pkt., 10c.

2089 Double Lilliput Mixed (Pompon). 1 ft. Small flowered, splendid assortment. Pkt., 15c.

2090 **DAHLIA** Vaughan's Special Mixture. Pkt., **25c.**

2090 **DAHLIA** Vaughan's Special Mixture. This mixture contains seed from the best collections in America and Europe and embraces all the various strains of double-flowering Dahlias, such as Show, Pompon, Lilliput and Cactus varieties, also the single flowering and striped sorts. Pkt., (60 seeds) **25c**

DOUBLE DAHLIAS—Continued.

2083 Salbach Choice Mixed. 4 ft. If you want giant show flowers try this. 100 seeds, $1.00.

2084 Salbach Selected Mixed. 4 ft. 100 seeds, $2.50.

2081 Selecta, Extra Double Giant Flowered. Seeds saved by a Pacific coast dahlia specialist from the largest double flowers of best varieties. Pkt., (50 seeds), 50c.

Unwin's Dwarf Hybrids. See offer above.

2091 Zulu Strain. Dark bronzy leaved plants of the Unwin type, 2 to 3 feet tall, with semi-double flowers of crimson and scarlet, with occasional yellow and lilac. Pkt. (50 seeds), 35c.

Single Flowering

2055 Collarette, Mixed Colors. 3 ft. Flowers of various colors, adorned with a collar of small petals around the center. Pkt., 10c.

2057 Coltness Gem. 18 in. The color is a bright scarlet, varies, and the single flowers are produced in abundance. Fine for bedding or growing singly in the smallest gardens. Pkt., 35c.

2056 Coltness Hybrids. 18 in. Habit neat and compact, blooms from July until frost. The flowers of red and yellow have either flat or slightly fluted petals nearly all 3 inches in diameter. Pkt., 25c.

2059 Coltness Rose. 18 in. Bright rose flowers on bushy, compact plants. Color varies but all tones are pleasing. Pkt. (25 seeds), 25c.

2058 Coltness Yellow. 18 in. The single flowers are a good clear yellow. Pkt., 35c.

2065 Giant Perfection Mixed. 4 ft. The plants are of strong, robust habit, and produce in great abundance flowers of immense size, of the most bewildering variety of color. ⅛ oz., 25c; pkt., 10c.

DELPHINIUM ANNUAL—See Larkspur.

DIGITALIS (Foxglove)—See Perennial pages

DUSTY MILLER—See Centaurea and Cineraria

Annual Pinks

DIANTHUS

This branch of the dianthus family bears both single and double flowers, fragrant, with fringed petals, and brilliant colors, often marked in contrasting stripes and spots. Started indoors, in February, plants should bloom outdoors in August. Plants will usually live over the winter outdoors, with light protection. 1 ft.

Double Flowering

2257 Chinese Double Mixed. Sometimes called Indian Pinks. Handsome clusters of very double flowers; many bright colors. ¼ oz., 25c; pkt., 10c.

2290 Fireball. Large, double; rich, blood-red, splendid for cutting or as a border.

2258 Heddewigi Double (Double Japanese Pinks). Mixed. A fine mixture of colors, varying from the richest crimson to delicate rose.

2280 Lucifer. Double orange.

2296 Midnight. Double blood-red.

2295 Rosalind. Double rose.

2255 Salmon. A beautiful shade.

2293 Snowball. Compact, fringed white flowers.

Price, each of the above: pkt., 10c; any 3 pkts. for 25c

2300 **DIANTHUS** Vaughan's Special Mixture of Double Pinks. Selection of the best double pinks in cultivation, ranging in color through all the most brilliant shades. ¼ oz., 30c; pkt., 10c.

2305 **DIANTHUS** Vaughan's Special Double and Single Mixed. Pkt., **10c.**

Single Flowering

2236 Heddewigi Large Flowered Single Japanese Pinks. Flowers 2 to 3 inches in diameter, borne profusely. Colors include pink, rose and white, and many marked with rose and red centers. Pkt., 10c.

2240 Laciniatus Splendens. Flowers of brilliant crimson, over 2 inches across, with fringed petals, have a boldly contrasting white center. Pkt., 10c.

2196 Salmon Queen. Salmon scarlet. Pkt., 10c.

2250 Sweet Wivelsfield. A cross of Allwoodii on Sweet William, flowers are larger with wider range of color, besides retaining the brilliant coloring of the Heddewigi strain. Some of the flowers have a honey perfume. ¼ oz., 30c; pkt., 15c.

2245 Vaughan's Special Mixture, Single Pinks. The flowers are extraordinarily large, of handsome form, and embrace the most beautiful colors, ranging from white to the most delicate pink and deep crimson. ¼ oz., 30c; pkt., 10c.

2305 **Vaughan's Special Mixture of Double and Single Pinks.** This magnificent mixture contains the cream of the annual pinks, both single and double. ¼ oz., 30c; pkt., 10c.

New Golden African Daisies

DIMORPHOTHECA ☐

Culture: A or B (May 15th), D or E (March-April)—**For Cultural Instructions, See page 87.**

THIS branch of the daisy order attracts by its interesting blends of color, which are of the class often termed art shades. It has the contrasting bands and centers characteristic of all South African daisies. May be sown out-of-doors where it is to flower or raised under glass in spring and planted out later, the latter method giving, perhaps, the most satisfactory results. It should be planted in well fertilized soil in the sunniest possible position. Blooms from July to October, and is excellent for mass planting.

2325 **DIMORPHOTHECA** Aurantiaca Hybrida. Pkt., **10c.**

2321 Aurantiaca Golden West. Bright golden yellow. Pkt., 10c.

2325 Aurantiaca Hybrids. They vary in color from pure white to red and blush including sulphur, lemon and bright golden yellow, light orange, reddish yellow and pale salmon-rose. Pkt., 10c.

2320 Aurantiaca (Orange African Daisy). 1 ft. A rich orange gold, which is rendered more conspicuous by dark center disc. Pkt., 10c.

2326 Ecklonis. 3 ft. The flowers 3 inches in diameter are produced on bushes with branching stems from August, surviving light frosts. White blossoms of velvety texture are marked in the center with a rich blue or purple eye. A good cut flower. Pkt., 15c.

2328 Ringens, Double. A double form of the beautiful single Dimorphotheca with a blue circle around the eye. The crest or double part is grey, not blue. This is rather unique. Pkt., 25c.

2323 Yellow Gem. 5-6 in. A Tom Thumb variety, making a showy dwarf plant covered with large flowers of glistening yellow without zone or eye. Fine for bedding, edging or rockeries. Pkt., 25c.

2322 Salmon Beauty. Soft salmon pink. Pkt., 10c.

2324 White Beauty. A pure, glistening white. 15c.

DATURA (Angel's Trumpet) ☐

Culture: A or B (May 15th-June 15th), D or E (March-April)

Handsome subtropical plants for summer bedding having large trumpet-shaped fragrant flowers. They should be given a light soil and a sunny sheltered position. Make fine pot plants for the greenhouse. 3 ft.

2100 Cornucopia (Horn of Plenty). Immense flowers, triplicate in form, one within the other; rich violet, with white interior.

2105 Golden Queen. Bright yellow flowers.

2110 Double White.

2115 Double Fine Mixed.

Price, each of the above: pkt., 10c.

2115 **DATURA** Double Fine Mixed. Pkt., **10c.**

LAVENDER LACE FLOWER

Culture: A or B, D or E (March-April)

2310 Didiscus Coeruleus ☐ 3 ft. Charming blue annual, with dainty lavender and blue flowers which resemble Queen Anne's Lace of our roadsides. Excellent for bedding and a desirable cut flower. ⅛ oz., 25c; pkt., 10c.

2361 ERYSIMUM Perofskianum (Fairy Wallflower). ☐ 12 to 18 inches. Bright orange. Pkt., 10c

2360 ERYTHRINA Crista Galli (Coral Tree). Pkt., 15c.

2310 **DIDISCUS** Lavender Lace Flower. **10c.**

DOLICHOS (Hyacinth Bean) ☐ = 10 ft.

Culture: A or B (May 15th), D or E (February-March)

A rapid-growing annual climber with large pea-shaped flowers in racemes, followed by ornamental seed pods.

2345 Lignosus (Australian Pea Vine). A rapid-growing evergreen climber, flowering freely in clusters of rose pea-shaped flowers. Pkt., 10c.

2330 Princess Helen (Daylight). Snow-white flowers, which resemble the dainty swainsonia, silvery seed pods. Oz., 30c; pkt., 10c.

2335 Purple Soudan (Darkness). Rose-violet flowers, dark ruby-purple seed pods. Oz., 30c; pkt., 10c.

2340 Mixed. 1 oz., 20c; pkt., **10c.**

EUPHORBIA ☐ 2 ft.

Culture: A or B, D or E (March-April)

Strong growing annuals, for beds of tall plants or mixed borders; the flowers are inconspicuous but the foliage exceedingly ornamental.

2430 Heterophylla (Mexican Fire Plant). Annual poinsettia resembling in habit and color the beautiful hothouse poinsettia. About mid-summer the center top leaves of each branch turn orange-scarlet. ¼ oz., 25c; pkt., 10c.

2435 Variegata (Snow on the Mountain or Mountain Spurge). 2 ft. Remarkably distinct plant; very showy with its foliage edged white and green. Oz., 75c; ½ oz., 40c; ¼ oz., 25c; pkt., 10c.

2415 **ESCHOLTZIA** Vaughan's Special Mixture. Pkt., **10c.**

Escholtzia

(California Poppy) ☐ 12 to 15 in.

Culture: A or B, D or E (March-April)

The State flower of California. A bright free-flowering plant of low spreading growth with finely cut silvery foliage. The poppy-like flowers are produced from early spring until frost. Sow the seed where the plants are to remain.

Dwarf Erect Varieties, 1 ft. (Californica).

2380 Dainty Queen. Blush pink with ground of cream.

2398 The Geisha. Brilliant gold inside, orange-crimson outside, fluted.

2396 Ramona. Frilled edges give it the appearance of a semi-double. Golden-bronze within and coppery-rose outside. A lovely effect.

Spreading Varieties. 1 ft. (Californica).

2370 Carmine King. Deep carmine over all.

2376 Chrome Queen. Soft amber buff.

2385 Golden West. Bright yellow and orange, penciled and blotched. Oz., 45c; ½ oz., 25c.

2387 Mandarin. Inside orange, outside scarlet.

2392 Mikado. Lustrous orange-crimson.

2390 Sunlight. Bright lemon self, very early.

2398 Vesuvius. Rich wallflower red.

Double and Semi-double Varieties.

2395 Robert Gardiner. Deep orange. Pkt., 25c.

2410 Double and Semi-double Mixed.

Price, each of the above except when noted otherwise, pkt., 10c.

2415 Vaughan's Special Mixture. This mixture includes all the varieties here catalogued of the double and single sorts and is the most complete mixture of these charming annuals in existence. ¼ oz., 30c; pkt., 10c.

2435 **EUPHORBIA** Variegata (Snow on the Mountain). Pkt., **10c.**

2532 **GILIA** Capitata. Pkt., **10c.**

Gilia ☐

Culture: A or B (March-June), D or E (Feb.-March)

2532 Capitata (Blue Thimble Flower). 2 ft. Bushy plant of erect habit with fine feathery foliage covered all summer with rich lavender-blue flowers, 1 inch across. Makes a good cut flower as the blooms last well. May also be used as everlasting, retaining their color when dried. ¼ oz., 25c; pkt., 10c.

2534 Coronopifolia Mixed (Standing Cypress). 4-6 ft. Tall stems with needle-like leaves bear trumpet-shaped flowers 1½ inches long arranged along sides of stem near top. The colors include vermillion, salmon, apricot, rich pinks, scarlet and pure yellow A biennial. Pkt., 15c.

2530 Mixed. 1 ft. Exceedingly graceful, early flowers and valuable for bees. Charming in the flower border and for cutting in spring and summer Pkt., 10c.

GOMPHRENA (Globe Amaranth) ☐ 18 in.

Culture: A or B (May 15th), D or E (Febr.-March)

A showy annual everlasting with clover-like heads.

2506 Globosa Alba. **2515 Globosa Pink.**
2510 —Rubra. Red. **2525 —Mixed, all colors.**

Price, each of the above: Pkt., 10c; 3 pkts. for 25c.

2520 Orange. Blossoms resemble a ripe strawberry in color and markings. Start in sandy soil in gentle bottom heat. Pkt., 15c.

Gaillardia

Blanket Flower ☐

Culture: A or B, D or E (March-April)

One of the most profuse bloomers of the flower garden, the color of the Gaillardia may be termed "sunset" because the flowers run to reds and orange, rose-tinted at the base of the petals. The flower heads are terminal and on long stems. The foliage is a good gray-green and fairly abundant. Gaillardias grow best in a part of the garden getting full sunlight. The soil should be porous and well drained. Start the seeds early or sow them where they are to grow. 18 in.

2465 Amblyodon. Deep red. Pkt., 10c.

2474 Lorenziana Rubra. Beautiful double red flowers. Pkt., 10c.

2475 —Double Mixed. ¼ oz., 25c; pkt., 10c.

2467 Picta Aurora Borealis. Brown, red and yellow. Pkt., 10c.

2471—Indian Chief. The blooms of this variety have an exceptional richness of color. The petals are a glittering, metallic, bronzy red color accentuated by a dark brown center. This variety is of the bedding type as it makes dense bushy plants that grow about a foot high. Throughout the summer the plants are well covered with large single blooms. Pkt., 10c.

2470—Single Mixed. ¼ oz., 25c; pkt., 10c.

See also Perennial Pages.

GLOXINIA— See page 86.

GOLDEN FLOWER OF THE INCAS— See Tithonia.

Special Mixture of Annuals for Cut Flowers

Forty Annuals in a Balanced Mixture

No. 1400

The forty or more varieties in this blend are chosen for their value as cut flowers. They are the long stemmed brightly colored flowers that go so well in vases and baskets. This will produce a glorious variety of flowers for cutting. We suggest planting in rows in the vegetable garden where the plants may be cultivated and the blossoms kept cut close so the production of flowers will be encouraged, as the more one cuts the more one has, the secret being not to allow any seed pods to form. Lb., $5.00; ¼ lb., $1.50; oz., 50c; ½ oz., 30c; pkt., 15c.

GREVILLEA— See page 86.

2525 **GOMPHRENA** Mixed. Pkt., **10c.**

2475 **GAILLARDIA** Lorenziana, Double Mixed. Pkt., **10c.**

2587 **GODETIA** Mixed. Pkt., **10c.**

Godetia ☐

Culture: A or B, D or E (March-April)

An attractive hardy annual, deserving more extensive cultivation. The plants bloom profusely and bear showy flowers of satiny texture in many rich and varied colors. They do best in a rather poor soil.

Upright Growth, Single Flowers.

2570 Duchess of Albany. 16 in. Pure white.

2574 Kelvedon Glory. 16 in. Glowing salmon orange, of exceptional brilliance, robust and free flowering.

2581 Sybil Sherwood. 20 in. Luminous salmon pink, blended with orange, white border. Pkt., 15c

Compact Dwarf Growth, Single Flowers.

2573 Gloriosa. 10 in. Dark glowing red.

2579 Lady Satin Rose. 10 in. Satiny rose.

2576 Rosamunde. 8 in. Vivid rose with white.

2582 Thunderbolt. 10 in. Darkest crimson, frilled petals. Pkt., 15c.

2586 White Swan. 1 ft. Purest satiny white.

2585 Wild Rose. Pastel rose with touch of carmine. Wavy petals.

Dwarf Double Azalea Flowered.

2577 Sweetheart. 12 in. Finest dwarf double. Glistening pink, cream overlay.

2584 Whitneyi. 15 in. Pink, excellent for potting.

2598 Dwarf Sorts Mixed. 10 in. Neat globular.

2587 Many Sorts and Colors Mixed.

Price, each of the above, except noted, ¼ oz., 25c; pkt., 10c.

See also Novelties.

GESNERIA—See page 86.

2480 GAURA Lindheimeri. 3 ft. White, flushed pink. Pkt., 10c.

2484 GAZANIA Longiscapa. 6 to 8 in. Golden yellow. Pkt., 15c.

GERANIUM÷

Culture: D or E (Feb.-April)

These grow readily from seed the first year and produce blooming plants the first summer. There is a great deal of pleasure in watching them develop from seed, and there is always the chance of thus securing something new.

2495 Apple-scented. Leaves fragrant. Pkt. (25 seeds), 15c

2500 Lady Washington (Odier). Large flowers, beautifully blotched. Pkt. (10 seeds), 50c.

2490 Large Flowering. Newest Varieties Mixed. Pkt. (50 seeds), 15c.

GRASSES Ornamental

Culture: A or B (May 15th)

2670 Ornamental Mixed. ☐ 2 to 5 ft. These are most useful for winter bouquets when combined with Everlasting flowers. Pkt., 10c.

GOURDS, Varieties Illustrated are, 1. Bottle Miniature (2607); 2. Ornamental Pomegranate (2630); 3. Large Dipper (2610); 4. Bird's Nest (2603); 5. Hercules' Club (2618); 6. Turk's Turban (2645); 7. Spoon (2643); 8. Small Warted (2646); 9. Apple Striped (2601); 10. Apple Shaped (2600); 11. Sugar Trough (2640); 12. Orange (2627); 13. Calabash (2608); 14. Nest Egg (2625); 15. Pear (2635). Each, Pkt., 10c.

Gourds

The flowers are often beautiful and the fruit ornamental and sometimes useful. The small fancy gourds are excellent toys for children, while the larger gourds may be used as dippers, sugar troughs, bowls and bird-houses. Leaflet on culture sent free if asked for with order. Gourds are growing popular for use in winter decoration and many gardeners plant collections of interesting varieties.

Culture: A or B (May 20th), D or E (March-April)

2660 GOURDS Vaughan's Special Mixture. All shapes and sizes of these interesting fruits so fashionable for ornaments, bird houses, and utensils, are included in this mixture. A bonanza for collectors. 1 oz., 30c; ½ oz., 20c; pkt..... **15c**

SMALL FRUITED

2600 Apple-shaped. Beautifully striped.
2601 Apple Striped. Small fruits.
2607 Bottle Miniature.
2625 Japanese Nest Egg. Practical nest eggs.
2627 Orange. The well known Mock Orange.
2630 Ornamental Pomegranate or Queen's Sweet Pocket Melon. Fruit deliciously perfumed and may be carried in the pocket or laid among linens.
2634 Pear Bicolor. Small fruit.
2635 Pear-Shaped. Striped yellow and green.
2643 Spoon. Small ball-shaped fruit with slender necks, deep orange. By slicing off a side a satisfactory spoon is made.
2647 Turk's Turban. Small Red.

SMALL FRUITED—Continued

2648 Turk's Turban. Small red and green.
2646 Warted Sorts Mixed.
Price, each of the above: pkt., 10c, any 3 pkts., 25c.
2650 Small Fruited Varieties Mixed. Oz., 30c; ½ oz., 20c; pkt., 10c.

LARGE FRUITED

2599 Acorn. Large ornamental yellow.
2603 Bird's Nest. For bird houses.

LARGE FRUITED—Continued

2602 Bishop's Mitre. Three colored, shaped like Bishop's crown.
2605 Bottle. Large. The original Thermos bottle. Makes fine bird-houses.
2608 Calabash or Pipe Gourd. Odd-shaped fruit which is used in making pipes.
2610 Dipper. Fruit makes an excellent dipper and may be used for birds' nests.
2615 Dishcloth or Towel. Luffa Acutangula known as Sing-kwa. The fruit is eaten when young, being cooked like squash. Many women prefer a dishcloth made of this Gourd.
2617 Green Snake.
2618 Hercules' Club. Fruit grows 3 to 4 ft. long
2621 Malabar Melon. Green striped fruits, 8-10 inches long with edible pulp.
2640 Sugar Trough. Thick shells, very durable.
2645 Turk's Turban. Odd brightly colored fruit.
Price, each of the above: pkt., 10c; any 3 pkts., 25c
2651 Large-Fruited Sorts. Mixed. Oz., 30c; ½ oz., 20c; pkt., 10c.

2680 **GYPSOPHILA** Elegans Grd. Alba. **10c.**

HOLLYHOCKS (Annual) □ 5 ft.

Culture: A or B, D or E (March and April)

The perennial varieties flower only the second year if grown from seed; these annual kinds, however, bloom the first year, and if sown in the open ground in April, they will be in flower in August, but if started indoors and set out in May, they will bloom in July.

2845 Everblooming Double Mixed. Double and semi-double. ⅛ oz., 25c; pkt., 10c.
2840 Everblooming Single Mixed. Large single flowers, exhibiting every shade known in Hollyhocks. ⅛ oz., 25c; pkt., 10c.
(For other Hollyhocks see Perennial List.)

Fragrant Heliotrope

Culture: A or B (May 15th), D or E (Feb.-April)

Heliotrope is a universal favorite on account of its delightful fragrance and duration of bloom, flowering equally well as bedding plants in summer, or as pot plants in the house during the winter. Seeds sown in the spring make fine plants for bedding out, and are as easily grown as Verbenas. 2 ft.

2825 King of the Blacks. Deep purple. Pkt., 15c.
2826 Madam Bruant. Dwarf variety with violet-blue flowers with white eyes. Very distinct, good for bedding. Pkt., 15c.
2824 Queen Marguerite. 2 ft. Very large umbels of dark blue flowers. One of the finest. Pkt., 25c.
2827 White Lady. A large flowering pure white variety. Very fragrant. Pkt., 15c.
2830 Fine Mixed. Pkt., 10c.
2820 Mammoth Mixed. Large flowers ranging from dark blue to lilac. Pkt., 15c.

GYPSOPHILA □

Culture: A (March 1st on)

Graceful plants of light fairy-like growth. Much in demand for cutting and combining with other flowers for bouquets and vases. 2 ft.

2680 Elegans Grandiflora Alba (Angel's Breath). The London Market Strain. 1½ ft. This is an improved large-flowering, pure white, of free, easy growth. Several sowings should be made during the season. Lb., $3.00; 4 oz., 80c; oz., 30c; ½ oz., 20c; pkt., 10c.
2682 Elegans Vivid Rose. ¼ oz., 25c; pkt., 10c.
2683 —Crimson. ¼ oz., 25c; pkt., 10c.
2686 —Mixed. ¼ oz., 25c; pkt., 10c.
2690 Muralis. 6 in. A lovely little rock or edging plant with rose-pink flowers. Pkt., 10c.

2820 **HELIOTROPE** Mammoth, Mixed. **15c.**

HUMULUS (Japanese Hop)

Culture: A or B (May 15th), D or E (March-April)

Rapid climber; foliage luxuriant, making a dense covering for verandas, trellises, etc. Heat, drought and insects do not trouble it.

2850 Green Leaved. ¼ oz., 25c; pkt., 10c.
2855 Variegated Leaved. Leaves beautifully variegated white, green and yellow. ¼ oz., 25c; pkt., 10c.

HONESTY—See Lunaria in Perennial pages.
HYACINTH BEAN.—See Dolichos.
HAWKWEED—See Crepis.
HELIANTHUS—See Sunflower.

Helichrysums (Straw Flowers)

Culture: D or E (February-March), A or B (May 15th-June 15th)

Helichrysums are an ornament to the garden when growing, and are everywhere prized for the winter decoration of vases, and for durable bouquets. Flowers for drying should be gathered when partially unfolded and suspended heads downward in a cool place.

2810 **HELICHRYSUM** (Straw Flowers) Vaughan's Special Mixture. Pkt., **15c.**

2810 STRAW FLOWERS
Vaughan's Special Mixture of Helichrysums. This is a balanced blend of the varieties listed and many other color tones in large flowered strains, giving an amazing collection of flowers for winter bouquets. ¼ oz., 25c. Pkt., **15c**

2812 Dwarf Double Mixed. 1½ ft. A splendid mixture of the dwarf growing varieties. Fine for bedding as it does not need staking. Pkt., 10c.

2775 Fire Ball. **2770 Silver Ball.**
2780 Golden Ball. **2771 Silvery Pink.**
2785 Rose Queen. **2795 Violet Queen.**
2790 Salmon Queen.
Price, each of the above: pkt., 10c; any three pkts. for 25c.

2800 Mixed, all colors. Pkt., 10c.

Other Annual Everlastings

Culture: A or B (April-June), D or E

150 Acroclinium Roseum. Double. 2 ft. 10c.
295 Ammobium Alatum Grand. Pkt., 10c.
2525 Gomphrena. Mixed, all colors. Pkt., 10c.
4540 Rhodanthe. Mixed colors. Pkt., 10c.
4683 Salvia Farinacea Blue Bedder. Pkt., 10c.
4795 Statice Russian (Suworowii). Pkt., 15c.
4800 —Bonduellii Superba. Yellow. Pkt., 10c.
4801 —Sinuata Rosea Superba. Pkt., 10c.
4802 —Sinuata True Blue. Pkt., 10c.
5849 Xeranthemum Double Mixed. Pkt., 10c.
2440 Everlastings Mixed. 1 to 2 ft. A mixture of all varieties we list. Pkt., 10c.

HETEROPAPPUS □

Culture: A or B (May 1st-June 15), D or E (Feb.-May)

2833 Hispidus. 2 ft. Bushy plants are covered with aster-like flowers 1½ inches across of silvery lavender blue, in lovely contrast with yellow centers. Pkt., 25c.

ICE PLANT

Culture: A or B (April-June), D or E.

2870 Mesembryanthemum Crystallinum (Fig Marigold). □ 8 in. Foliage glitters, being covered with ice-like globules and prized for garnishing; flowers, small, pinkish-white. A valuable plant for dry, sandy spots on banks, rockwork, old walls and ruins, etc., also for sunny borders. Pkt., 10c.

2890 IONOPSIDIUM Acaule. (Violet Cress). □ 4 in. Sow between stepping stones. Pkt., 10c.

IMPATIENS (Zanzibar Balsam) ÷ □ 1½ ft.

Culture: A or B (May 20th), D or E (Jan.-July)

One of the prettiest plants for pot culture and also for outdoor planting in a half shaded situation. Remarkable for its long duration of bloom.

2875 Holstii. Of rapid, vigorous growth, producing large flowers of salmon-scarlet. Pkt., 15c.
2880 Holstii Hybrids. Range from pink through red shades to purplish-violet. Pkt., 15c.
2874 Liegnitzia. 10 in. Dwarf, free flowering vermillion. Pkt., 25c.
2881 Sultani. Bright rose. Pkt., 15c.
2882 Sultani Hybrids. Colors range from pale pink to dark crimson. Pkt., 15c.

JERUSALEM CHERRY—See Solanum.
KISS-ME-OVER-THE-GARDEN-GATE—See Polygonum Orientale.
KUDZU VINE—See Pueraria.

KAULFUSSIA Amelloides

Culture: A or B (April-June), D or E.

2970 □ 6-12 inches. Dwarf, bushy plants with blue aster-like flowers sometimes with yellow disk, easy to grow. A fine rock plant. Pkt., 10c.

For Cultural Instructions, See page 87

2965 **KOCHIA** Childsii (Burning Bush). Pkt., **10c.**

Annual Hedge Plant

KOCHIA—BURNING BUSH

Culture: A or B (May 15th), D or E (February-April)

2965 Childsii. □ 2½ ft. It resembles a close-clipped ornamental evergreen. The pyramidal bushes are close and compact and of a pleasing light green. The plant may be grown singly or in the form of a hedge or background and may be clipped to form a perfect hedge, an excellent substitute for boxwood to edge beds. In early autumn the whole bush becomes carmine or blood-red. Flowers small and numerous, but not conspicuous. Oz., 25c; ½ oz., 15c; pkt., 10c.

2861 **HUNNEMANNIA** Sunlite. Pkt., **15c.**

HUNNEMANNIA

Culture: A or B, D or E (March and April)

2860 (Bush Escholtzia, or Santa Barbara Poppy) □ 1½ ft. Another golden yellow poppy, pleasing both in the border and as a cut flower. The plants grow into shrubby bushes, producing their large cup shaped flowers 3 in. across on stems 12 in. long. The petals are broad and crinkled. Oz., 80c; ¼ oz., 25c; pkt., 10c.

2861 Sunlite. A double flowered poppy whose extra petals are on the outside rather than the inside of the tulip shaped flowers, giving the impression of being open, even after the cup-like blossoms have closed for the night. The flowers are a bright, canary yellow, and the foliage of the two-foot bush is a light gray-green. They like a sunny position in a well drained border and flower freely in late summer. ¼ oz., 50c; pkt., 15c.

LAVATERA Annual Mallows □

Culture: A or B (March-June)

Showy and effective plants, covered during the entire summer with large gay flowers. For large borders and cutting they are very desirable. 2½ ft.

2985 Splendens Alba. Silky, pure white. ¼ oz., 25c; pkt., 10c.
2990 Splendens Rosea. Bright rose. ¼ oz., 25c; pkt., 10c.
2991 Splendens Mixed. Pkt., 10c.
2989 Sutton's Loveliness. Bronzy foliage, glowing rose pink flowers. ¼ oz., 25c; pkt., 15c.

LAVENDER LACE FLOWER—See Didiscus.

LEPTOSYNE □

Will flower in 5 weeks

Culture: A or B (May 15th on)

3015 Maritima. (Sea Dahlia.) 20 in. A cliff plant from California with graceful feathery foliage and large Dahlia-like flowers, yellow with golden center. Fine for cutting. Treat as a half-hardy annual and give a sunny situation. Pkt., 10c.

Culture: A or B (March-July)

3010 Stillmanii. 1½ ft. One of the quickest flowering annuals, blooming within five weeks from date of sowing, and the golden yellow cosmos-like flowers continue in perfection for a long period. Excellent for cutting. Pkt., 10c.

See Complete Index, Pages 114 and 115, to Find Items Quickly.

Moonflowers and Morning Glories

□ = 20 ft.

Culture: A or B (May 15th), D or E (February-April)
Beautiful rapid annual climbers. Foliage very dense and, in some kinds, of remarkable shape. The flowers in their wide range of delicate coloring are poised on slender stems. Many of the sorts open only when the sun rises, others when the sun sets. Some are fragrant.

2895 Bona Nox (Evening Glory). Violet flowers. Pkt., 10c.

2900 Coccinea (Star Ipomoea). Small scarlet flowers in great profusion. Pkt., 10c.

2905 Mexicana Grandiflora Alba (White Moon Flower). Covered with large white flowers every evening and cloudy day. Seeds should be started inside. Oz., 50c; pkt., 10c.

2910 Giant Pink. Soft lilac-pink flowers. Pkt., 10c.

2945 Rose Marie. New double and semi-double; free flowering, deep rose pink flower. Pkt., 10c.

2950 Setosa (Brazilian Morning Glory). Leaves are 9 inches across; flowers 2 inches, tinted pink with a five-pointed star of satiny pink followed by curious seed pods. Pkt., 10c.

MORNING GLORY (Convolvulus)

Culture: A or B (April-June), D or E.
The common Morning Glory is well known for its rapid growth, early and abundant flowers of many colors. A delightful subject wherever a vine is needed.

1900 Mixed, all colors. 1 lb., $1.00; ¼ lb., 30c; 1 oz., 15c; pkt., 10c.

1905 Double Mixed. The flowers are double and semi-double and some are fringed. Pkt., 10c.

1919 DWARF BLUE MORNING GLORY. Pkt., **10c.**

2925 JAPANESE MORNING GLORY Vaughan's Special Mixture. Pkt., **10c.**

2941 MORNING GLORY. Clark's Early Flowering Heavenly Blue. Pkt., **15c.**
(From Natural Color Photograph, Unretouched)

Heavenly Blue Morning Glory

2941 Clark's True Early Flowering Strain, Pkt., 15c.

One of the few flowers of true blue and probably finest of all morning glories. Flowers measure 3½ to 4 inches across, deep blue with white throat. They blossom profusely and for a long season, opening in the morning and facing the sun. To sow indoors, nick through hard outer shell of seed with knife or file. Then sow in flower pot, in good friable soil, and place where bottom heat of at least 70 degrees is provided. Keep indoors until weather is warm. If sown outdoors, do not sow until the ground is warm and summer established. Give plants full sun and do not overfeed as this may limit flowers. Sow in gravelly, sandy soil and give southern exposure. Oz., $1.00; ¼ oz., 40c; pkt... 15c

2901 NEW GIANT CORNELL
The flowers, as large as Heavenly Blue, are an intense carnelian red with pure white border, reproducing the colors of Cornell University. Growth is rapid and flowers come early, when vine is two feet tall, increasing in number until killing frosts arrive. Our exclusive novelty. Pkt..... 25c

2925 JAPANESE MORNING GLORIES Vaughan's Special Mixture. The colors run from snow-white through all tones of blue, red, and purple. Sun-loving plants do best when protected from north and west wind. 1 oz., 30c; ½ oz., 20c; pkt.,..... **10c**

2915 Imperialis (Japanese Morning Glory), Fine Mixed. 1 oz., 20c; ½ oz., 15c; pkt., 10c.

Dwarf Morning Glory. 1 ft.

Culture: A or B (April-June), D or E.
Showy hardy annuals for beds and borders, also rockwork; they bloom for a long period and delight in sun.

1919 Dwarf Blue. Beautiful blue flowers on a dwarf bushy plant, a good match for Heavenly Blue. Fine for edging or rock work. Oz., 25c; pkt., 10c.

1921 Dwarf Rose. Exactly like above but a lovely rose color. Oz., 25c; pkt., 10c.

1920 Mixed, all colors. 1 oz., 15c; pkt., 10c.

LANTANA

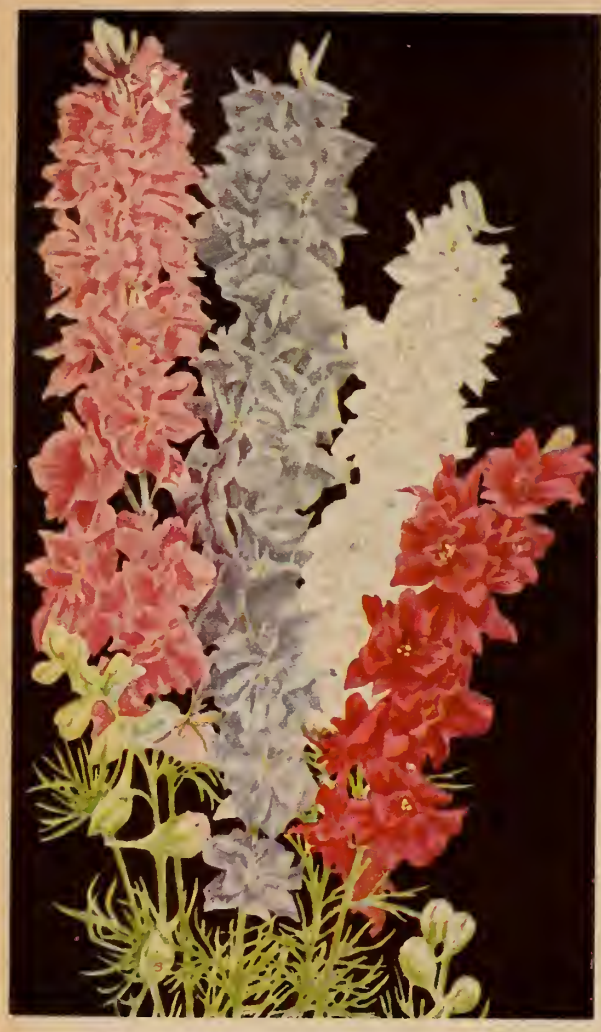
Culture: D or E (February-April)

2980 Dwarf Hybrids. Mixed. Pkt., 15c.

2975 Hybrida, Mixed. +2 ft. Plant with Verbena-like flowers in shades of white, red and yellow. May be grown in pots or set out in summer; remains in bloom late in autumn. They have an agreeable aromatic perfume. Pkt., 10c.

2901 NEW GIANT MORNING GLORY CORNELL. Pkt., **25c.**

2905 WHITE MOONFLOWER. Pkt., **10c.**



2170 LARKSPURS, Vaughan's Special Mixture (Annual). Pkt., 10c.

Annual Larkspurs

LARKSPURS are one of the important families of annuals that have been greatly improved by modern breeding methods. Perfectly hardy, they flower quickly from seed sown early in the open, and if the faded blossoms are kept cut, will give a long season of bloom. The new pinks are especially fine and with the dark blue varieties furnish a vivid color contrast. In the summer germination is improved by chilling the seed several days in the refrigerator.

Culture: A or B, D or E (March or April)

2170 **LARKSPURS** **Vaughan's Special Annual Mixture.** A charming mixture containing all the bright and delicate shades, makes wonderful cut flower material and should be planted generously. They should be grown in good rich well-manured soil, and in a full sunny position. The plants, moreover, should be given plenty of room in order to allow them to branch out freely, and make handsome specimens. 1 oz., $1.00; ¼ oz., 30c; pkt..... 10c

Double Stock Flowered 3 to 4 ft. ☐

2120 **Dark Blue.**
2121 **Dark Rose.**
2130 **Lilac.**
2135 **Lustrous Carmine. (Newport Pink.)**
2140 **Sky-Blue.**
2145 **White.**

Price, each of the above: oz., $1.00; ¼ oz., 30c; pkt., 10c. Any 3 pkts. of the above, 25c; any 6 pkts., 50c.

2150 **Stock Flowered Mixed.** All colors. Oz., 60c; ¼ oz., 20c; pkt., 10c.

2124 **Empress Rose.** A rich pink changing to hermosa pink. It is everblooming. Super-branching larkspur grows 6 ft. tall. Pkt., 10c.

2129 **La France.** The flowers are a pleasing salmon-pink, very large and double, well-placed on long stems. Pkt., 10c.

2138 **Rosamond.** A pure rose color, a shade which has been entirely lacking in larkspurs up to this time. Pkt., 15c.

Giant Imperial (Base Branching).

These Larkspurs are ideal for cut flowers as the flower stems, three to four feet long, branch from the base of the plants.

2151 **Blue Bell.** Is a fine medium blue larkspur, deeper than sky blue, yet much lighter than lilac.
2166 **Blue Spire.** Deep Oxford blue.
2152 **Carmine King.** Deep carmine rose.
2153 **Daintiness.** Delicate lavender.
2155 **Exquisite Pink Improved.** Soft pink shaded salmon.
2169 **Exquisite Rose.** Rose pink.
2167 **Lilac Spire.** Lilac.
2156 **Los Angeles.** A richer color than La France, a shade between salmon and rosy scarlet.
2157 **Miss California.** Deep pink shaded salmon.
2168 **White Spire.** Dazzling pure white
2159 **Giant Imperial Mixed.** The above and others.

Price, any of the above: oz., $1.40; ¼ oz., 40c; pkt., 15c. Any 3 pkts. for 35c; any 6 pkts. for 60c

See also Perennial pages and Novelties.

LINUM ☐

Culture: A or B (March-June)

3019 **Grandiflorum Coeruleum (Blue Flax).** 1½ to 2 ft. Dainty flowers of pale blue. Pkt., 10c.

3020 **Grandiflorum Rubrum (Crimson Flax).** 2 ft. Brilliantly colored summer annuals, glowing crimson-rose. May be had in bloom from May to October by successive sowings. Pkt., 10c.

1 pkt. each above for 15c.

ANNUALS FOR ROCK GARDENS FOR SUMMER COLOR

Abronia
Alyssum
Anagallis
Brachycome
Dianthus Heddewigii
Dimorphotheca
Gazania Longiscapa
Gilia
Gypsophila Muralis
Kaulfussia Amelloides
Leptosiphon Hybrids
Leptosyne
Linaria
Linum
Lobelia
Marigold Dwarf
Mesembryanthemum
Myosotis Dwarf
Nasturtium Dwarf
Nemophila
Oxalis Cloth of Gold
Phacelia Campanularia
Portulaca
Phlox Drummondi Dwarf
Sanvitalia
Saponaria
Statice
Thunbergia
Torenia
Ursinia
Verbena
Virginia Stock
Zinnia

4574 **Rock Garden Annuals, Vaughan's Special Mixture.** A carefully prepared mixture of low growing, many colored, free flowering annuals, which will supply color in your rock garden all summer. ¼ oz., 50c; pkt., 25c.

CHINESE LARKSPUR (Delphinium Chinensis).

The Chinese Delphinium blooms from seed the first year if sown early and may be treated as an annual; though it is a hardy perennial and plants will last many years. Fine for beds and border masses.

7510 **Blue Butterfly.** 16 in. Deepest blue. Pkt., 15c.
7520 **Chinese Blue.** 2-3 ft. Pure blue in branching dwarf spikes. Very graceful for cutting. Pkt., 10c.
7525 **—Album.** 2-3 ft. Pure white. Pkt., 10c.
7522 **—Cambridge Blue.** 2 to 3 ft. This variety is a really good light blue, far surpassing Belladonna in brilliancy. Pkt., 25c.
7526 **—Tom Thumb Ultramarine.** 1 ft. A pretty dwarf species, with beautiful flowers in open panicles in ultramarine blue. Pkt., 15c.
7530 **—Mixed.** Pkt., 10c.

LYCHNIS—See Perennial Pages.

LINARIAS (BABY SNAPS). ☐

Culture: A or B (March-June)

This is a hardy annual with small dainty flowers resembling miniature Snapdragons and in addition each flower has a long Columbine-like spur. It makes a nice cut flower and the clumps form an interesting feature of the annual border. Blooms in about eight weeks from seed. To get the best results seed should be sown thinly, the seedlings thinned out to about 18 inches. 12 to 18 in.

3028 **Chamois.**
3029 **Crimson and Gold.**
3031 **Golden Gem.**
3032 **Lavender shades.**
3033 **Snow White.**

Price, each of the above: Pkt., 10c; 3 for 25c

3039 **Fairy Bouquet.** In mixed colors like Marocana hybrids, except that this new strain is greatly improved by more compact growth, eight inches tall, and with extra large flowers of a great variety of distinct colors, such as rose, yellow, pink, lavender, carmine, red, violet, white and salmon. ⅛ oz., 30c; pkt., 15c.

3034 **Maroccana Hybrida Excelsior, Mixed.** Colors range through crimson and gold, pink, mauve, dark blue and chamois and rose, with many lighter art shades. ¼ oz., 25c; pkt., 10c

LOBELIA CARDINALIS and LOBELIA SYPHILITICA—See Perennial Pages.

3039 LINARIA Fairy Bouquet. Pkt., 15c.

3040 **LOBELIA** Bedding Queen. Pkt., **10c.**

Lobelias for Blue

Culture: D or E (Febr.-April), A or B (May 15th on)

Dwarf Varieties

The compact class form bushy plants fairly sheeted with bloom throughout the season. Highly desirable for edgings, ribbon bedding and garden decoration as well as for pot culture.

3040 Bedding Queen. 4 in. Dwarfest, best for ribbon bedding. Flowers deep purplish-violet, with clear white eye. ⅛ oz., 50c; pkt., 10c.

3041 Blue Gown. Clear deep blue, without eye, fine compact habit. Pkt., 25c.

3042 Blue Stone Re-Selected. Compact habit, large flowers of brilliant mid-blue. 4 in. Pkt., 25c.

3053 Cambridge Beauty. Large light blue flowers, green foliage. May be used as a border plant or to decorate a hanging basket. A charming variety Pkt., 25c.

3045 Crystal Palace Compacta. 4 in. Deepest blue, dark foliage. ⅛ oz., 40c; pkt., 10c.

3055 Dwarf Pink. Pkt., 10c.

3050 Emperor William. 4 in. Clear sky-blue with green foliage. Pkt., 10c.

3052 Gracilis. 10 in. Light blue. Pkt., 10c.

3057 Mrs. Clibran. Beautiful for bedding, having flowers of rich deep blue with clear, large white eye. Pkt., 15c.

3056 Snowball. White. Pkt., 10c.

3067 Tenuior. 15 in. Upright habit, large flowers of rich cobalt blue with white eye. Pkt., 15c.

3070 Mixed Colors. ⅛ oz., 25c; pkt., 10c.

Trailing Varieties

The following varieties are especially effective in hanging baskets or window boxes, where a long drooping effect is desired.

3061 Hamburgia. Sky-blue with white eye. Pkt., 10c.

3051 Prima Donna. 10 in. Velvety crimson. Pkt., 10c

3059 Royal Purple. 10 in. Dark foliage and stems, flowers deep navy blue with white eye. Pkt., 10c.

3065 Sapphire. Large, deep blue flowers, with a pure white eye. Pkt., 15c.

3060 Speciosa. 10 in. Dark blue, dark foliage. Pkt., 10c.

MIMOSA (Sensitive Plant) ☐ 1 ft.

Culture: D or E (Feb.-April), A or B (May 15th)

3270 A pretty and curious foliage plant with leaves like those of the Acacia. They are very sensitive and close up immediately if touched or shaken. Pinkish white flowers. Pkt., 10c.

MIMULUS ☐

Culture: D or E (February-March)

3275 Moschatus (Musk Plant). 10 in. Trailing plant for damp, shady places. Small yellow flowers. Fine for the rock garden. Pkt., 25c.

3281 Red Emperor. A gem for the border and rockery, bright crimson scarlet, very free flowering and of compact habit. Pkt., 25c.

3280 Tigrinus (Monkey Flower) Queen's Prize, Single Mixed. 1 ft. Dwarf bushy plants, with large Gloxinia-like flowers, ranging through white, pale yellow, golden, flesh, rose, crimson and maroon; handsomely blotched and striped. Pkt., 10c.

Most Fragrant of Annuals

MIGNONETTE (Reseda) ☐

Culture: A or B (March-June)

No garden is complete without this fragrant plant of unassuming mien. One of the principal uses is for cutting and combining in bouquets with other more pretentious blossoms lacking its delicate odor.

3225 Bismarck. 1 ft. The red flowers are larger in every way than those of other sorts, the spikes dense, foliage crinkly, while its powerful fragrance is delicious. Pkt., 10c.

3236 Giant Rocket. 2 ft. The largest and most robust variety. The flowers are wonderfully fragrant and many plants carry 50 to 60 spikes of bloom, each 14 to 18 inches long. ¼ oz., 30c; pkt., 10c.

3234 Golden Goliath. A grand novelty with deep golden yellow flowers. Pkt., 15c.

3245 Machet. 15 in. It is the best Mignonette for all purposes, either outside or inside. It is an everbloomer, the flowers lasting until late in the fall. ¼ oz., 25c; pkt., 10c.

3260 Mixed. Many shades and types. Oz., 40c; ½ oz., 25c; pkt., 10c.

Sow Also For Fragrance

EVENING SCENTED STOCK

Culture: A or B (March-June)

3212 Matthiola Bicornis. ☐ 15 in. Lilac flowers which in the morning, evening and after a shower emit a delicious perfume perceptible at a distance. 1 oz., 30c; pkt., 10c.

Annual Lupines ☐

Culture: A or B (March-June), D or E. (March-April)

Free flowering, easily grown annuals, with long, graceful spikes, pea-shaped flowers, richly and variously colored. The fine, dark, glossy foliage of the Lupin makes an admirable foil and background for the long blooming spikes of blue, white, yellow and rose; valuable for mixed borders, beds and for cutting; prefers a little shade. 2 ft.

3095 Annual Yellow. Beautiful canary yellow.

3075 Hartwegii, White. Pure white flowers.

3085 —Cambridge Blue. Sky blue.

3080 —Oxford Blue. Dark blue.

3090 —Tricolor Rose Queen. Rose colored flowers.

3076 King Blue. 3 to 4 ft. Base branching spikes with 6 to 8 stems bear enormous flowering spikes of rich Oxford blue, with a pure white stripe in the standard of each flower. They rival the perennial lupins, but grow quickly to flowering size from seed.

3100 Subcamosus (Texas Bluebonnet). 15 in. Charming bushy plants. The flowers are of a delightful blue, with a distinct heart shaped blotch or eye of deep rosy flesh.

Price, each of the above, pkt., 10c. 3 pkts. for 25c.

3110 Dwarf, Annual Sorts Mixed. 1 ft. Pkt., 10c.

3105 Tall Annual Sorts, Mixed. 1 oz., 30c; pkt., 10c.

See also Perennials and Novelties.

3105 **LUPINUS** Tall Annual Mixed. Pkt., **10c.**

3245 **MIGNONETTE** Machet. Pkt., **10c.**

Four o'Clocks

3290 **MARVEL OF PERU** (Four o'Clocks) Mixed. Pkt., **10c.**

MARVEL OF PERU

Culture: A or B (May 15th-June), D or E (Feb.-Mar.)

This old-fashioned flower of bushy habit bears profusely flowers of white, yellow, crimson and violet. As a hedge plant, its glossy foliage is closely set and dotted all over in the afternoon with a multitude of flowers. It is little known that roots may be lifted in the fall and stored like Dahlias to be replanted in spring. It will result in larger plants, stronger, with more flowers.

3307 Lilac. **3309 White.**
3305 Red. **3308 Yellow.**
3306 Rose.

Price, each of the above, ¼ lb., 75c; oz., 30c; pkt., 10c.

3310 Sweet-Scented. 28 in. White. Pkt., 10c.

3297 Dwarf Mixed. 1 ft. Pkt., 10c.

3290 Mixed Colors. Lb., $1.00; ¼ lb., 35c; 1 oz., 15c; pkt., 10c.

MATRICARIA ☐

Culture: D or E (Feb.-March), A or B (April-June)

3205 Capensis Fl. Pl. (Feverfew). 3 ft. Neat, small, double white flowers, well adapted for borders, beds and cutting. They are perennial, but may be treated as annuals. Pkt., 10c.

3208 Golden Ball. 1 ft. Of compact habit, suitable for edging, with very striking double yellow flowers. Pkt., 10c.

3209 Snowball. 10 in. Profuse blooming bedding plant, double white flowers. Pkt., 10c.

3215 MAURANDIA Mixed. ☐ Pkt., 10c.

Newest Marigolds

Culture: A or B (May 15th-June), D or E (Feb.-April)

From midsummer to fall, when many other plants are past their prime, Marigolds afford a wealth of color that is invaluable. No flower family has been more improved in the last few years.

3142 Sunset Giants (Gigantea Sunset). 3½ to 4 ft. Flowers 7½ inches in diameter are sometimes produced by plants of this giant strain, largest of all marigolds. The average size is less, but still exceptionally large. Color varies, yellow and orange. Plants are vigorous, with heavy stems, flowers 60% double. Pkt., 25c.

3140 Vaughan's Chrysanthemum Flowered Hybrids. 3 ft. An early flowering strain, bearing flowers of several distinct types, and tones of orange and yellow. Some have quilled and incurved petals, others flat carnation-type flowers, all borne freely on stems fine for cutting. This strain has supplanted the late flowering Dixie Sunshine type. Pkt., 25c.

3123 Guinea Gold. 2 to 2½ ft. The original carnation-flowered type, producing flowers 2 to 2½ inches across, of brilliant orange flushed with gold. Practically 100% double. The characteristic Marigold odor is less pungent. This is an early flowering sort. ½ oz., 50c; ⅛ oz., 25c; pkt., 10c.

3174 Harmony. A remarkable break which differs from others in habit, shape, and coloring. Flowers, in form suggesting a Scabiosa, are a bright golden-yellow bordered with a rich maroon-red. The plants being about 12 inches high, and very bushy habit, form excellent material for bedding. Oz., $2.00; ¼ oz., 60c; ⅛ oz., 35c; pkt., 15c.

3174 MARIGOLD Harmony. Pkt., **15c.**

3124 Yellow Supreme. A large bloom of honey fragrance, with broad, loose, frilled petals of a rich, lemon-yellow, of true "carnation flowered" type. Plants are vigorous, with foliage practically free from Marigold odor. Pkt., 10c.

3124 MARIGOLD Yellow Supreme. Pkt., **10c.**

Dwarf French Double Sorts 10 in.

3164 Dark Brown.
3165 Gold Striped.
3167 Gold Ball.
3168 Lemon.
3166 Robert Beist. A warm shade of shining purple scarlet.
3169 Yellow Spotted Brown.
3170 Yellow with Brown Margin.

Price, each of the above, packet, 10c.

3171 Monarch Strain of Dwarf French, Double Mixed. Symmetrical compact habit, comprising a wide range of fine colors including orange, bronze and mahogany. Oz., $1.00; ¼ oz., 35c; ⅛ oz., 25c; pkt., 10c.

3172 Monarch Strain Re-Selected Golden Ball. It has exceptionally large flowers for a French variety; is intensely double and the deepest orange color. Pkt., 15c.

Double Dwarf

3159 Double Dwarf Queen (Golden Queen). Free flowering, forming pyramid of bloom. The flowers are golden-yellow, 2 to 3 inches, with flat petals. Pkt., 15c.

3160 Mixed (Pride of the Garden). 15 in. Immense golden yellow flowers, compact dwarf habit, forming dense bushes. An African type. Pkt., 10c.

Single Dwarf Varieties

3178 Fire Cross. The ground color is a deep orange-yellow, while each of the eight petals carries a large crimson-maroon blotch. Pkt., 10c.

3180 Gilt Edge. 8 in. Velvety maroon, edged with yellow. Pkt., 10c.

3190 Legion of Honor. 8 in. Flowers rich golden yellow, marked with velvety brown. Best for edging. ¼ oz., 25c; pkt., 10c.

3179 Little Giant is a selection of the Signata Pumila type. Plants grow only 4 to 6 in. high with a spread of 8 to 10 inches, the foliage covered with dainty golden-orange flowers. ¼ oz., 40c; pkt., 15c.

3200 Mexican Marigold (Signata Pumila). 10 in. A miniature type forming compact plants completely covered with bright yellow flowers with brown stripe down the center of each petal. ¼ oz., 30c; pkt., 10c.

3201 Lucida. 15 to 18 in. August to November. Odor of anise. Upright plant. Small golden single flowers in clusters. Pkt., 10c.

Lilliput Dwarf Double

Bushy plants covered with small flowers excellent for edging. 8 ins.

3161 Brown. 3163 Sulphur.
3162 Golden. 3163A Mixed.

Price, each of the above, ¼ oz., 35c; pkt., 10c.

3175 MARIGOLD
Vaughan's Special Mixture of Dwarf Double and Single Varieties. These dwarf, compact strains are very attractive, each plant being covered with hundreds of small, bright flowers, including listed varieties and many others of charming variations. ¼ oz., 20c; pkt..... **10c**

3150 MARIGOLD
Vaughan's Special Tall Mixture. This mixture includes all the African sorts, including this year's novelties. A packet will give you flowers of enormous size in a wonderful assortment of color. ¼ oz., 25c; pkt..... **15c**

3142 MARIGOLD Sunset Giants. Pkt., **25c.**

Double Tall African 30 in.

3134 Alldouble Orange. Exactly like tall African Orange Queen in size and color and comes about 90% double from seed. ⅛ oz., 40c; pkt., 15c.

3133 Alldouble Lemon. Yellow, same as preceding only the color is light yellow, about 90% double. ⅛ oz., 40c; pkt., 15c.

3132 Golden Beauty. A soft golden-yellow, petals semi-quilled, very double, flat flowers. Pkt., 15c.

3137 Golden Emblem. Is a rich gold with flowers 4 inches in diameter. Pkt., 15c.

3130 Lemon Queen. These are lemon color, otherwise exactly like the Orange Queen. ⅛ oz., 25c; pkt., 10c.

3135 Orange Queen. Large, perfect, double quilled flowers of a rich, deep, golden orange. Very attractive. ⅛ oz., 25c; pkt., 10c.

3126 Prince of Orange. Best English selection. Stiff stemmed. Pkt., 15c.

Double Tall French 24 in.

3144 Dark Brown. 10c. **3146 Lemon Yellow.** 10c

3147 Striped (Royal Scot). 24 to 30 in. The large, well-formed double flowers are mahogany and gold in symmetrical stripes which radiate from the center of the flower. Pkt., 10c.

3148 Double Tall French, Mixed. Pkt., 10c.

3157 Single Tall French Josephine. 2 ft. Dark maroon-brown with an edging of old gold, petals of rich velvety texture, borne on long stems. Flowers are fine for cutting and win many prizes in arrangements. Pkt., 10c.

3134 MARIGOLD All Double Orange. Pkt., **15c.**

Fragrant Double Nasturtiums

Culture: A or B (May 15th-June), D or E (March-April)

NASTURTIUMS will really grow on soils incapable of supporting any other plants, and are most useful on dry, sandy, or gravelly banks. In very dry seasons the Tall sorts have a tendency not to run on a poor soil, and if a trellis is to be covered quickly the plants should be encouraged by watering in the early stages of growth; in wet seasons the Dwarfs have a tendency to run and to produce more leaves than flowers, and they should therefore be sown on poor soil.

Aphis on Nasturtiums. One of our friends writes in "Horticulture": "I am not troubled with aphis if I sprinkle moth balls on the ground quite close to the stems of the plants."

3560 **NASTURTIUM** Type of Dwarf Double Gem Mixed. Pkt., **10c.**

New Dwarf Doubles

3561 Dwarf Double Globe of Fire. Fragrant double flowers of flaming red, contrasting vividly with the dark green leaves, are borne in great abundance upon a compact dwarf plant. A splendid subject for the border foreground, a mass effect, a window box or vase. Pkt., 25c.

3558 Dwarf Golden Globe. Identical in color with Golden Gleam, but making bushy plants which the freely produced blossoms convert into mounds of gold. This is a most useful form for beds, borders, pot plants. Oz., 40c; pkt., 10c.

3560 Dwarf Double Gem Mixed. Ideal for edging beds and window boxes. It produces an evenly balanced range of bright colors. ¼ lb., 80c; oz., 30c; pkt., 10c.

3739 **NASTURTIUM** Double Glorious Gleam Hybrids. Pkt., **10c.**

TALL DOUBLE NASTURTIUMS (Gleam Type)

3735 Golden Gleam. Golden Gleam is maintaining its position as the best known and popular novelty of the past four seasons, becoming even more popular as time goes on. The large double sweet-scented golden yellow flowers on long stems are borne profusely well above the bright green foliage of the neat semi-dwarf plants. Lb., $1.60; ¼ lb., 50c; oz., 20c; pkt., 10c.

3736 Scarlet Gleam. The flowers are a fiery orange-scarlet. The individual blooms are almost three inches across, much larger than any Nasturtium ever known. The sweet fragrance is more pronounced, and the double flowers more uniform. The foliage is the same lush green characteristic of Golden Gleam, and the contrast of the large, double, fiery orange scarlet flowers above their cool restful green leaves is vivid. Oz., 30c; ½ oz., 20c; pkt., 10c.

3739 Double Glorious Gleam Hybrids. The Hybrids are a collection of gorgeously colored, large, well-formed flowers of such dazzling beauty that the mind hesitates to credit the evidence of the eyes. Colors certainly never seen before in a double nasturtium abound in profusion—glorious flowers of salmon, golden yellow, orange scarlet, cerise, cream yellow, orange, crimson and gold flushed scarlet combine with the foliage of fresh green. They thrive under almost any cultural conditions, and this factor, combined with the brilliance of their colors, assures Gleam Hybrids of a universal popularity. ¼ lb., 75c; oz., 25c; pkt., 10c.

3737 Orange Gleam. Oz., 30c; ½ oz., 20c; pkt., 10c.

3734 Salmon Gleam. Delicate golden salmon. Oz., 30c; ½ oz., 20c; pkt., 10c.

3738 Salmon Cerise. Oz., 30c ½ oz., 20c; pkt., 10c.

Tall Single Nasturtiums

3585 Dunnett's Orange. Bright orange.

3640 Emperor of India. Very dark foliage. Rich deep scarlet flowers. The best red.

3665 Variegated-Leaved Varieties. Many colors Mixed. Very showy flowers. Leaves light green, beautifully marbled and blotched with white.

Price, each of above, oz., 20c; pkt., 10c.

3340 **MYOSOTIS** Victoria Azure Blue. **10c.**

3745 Vaughan's Special Mixture of Tall Nasturtiums

In this will be found all the choicest colors of all the Tall Nasturtiums, the new double Golden Gleam, and Glorious Gleam Hybrids, Canary Bird Creeper and the variegated-leaved varieties. 1 lb., $1.50; ¼ lb., 40c; 1 oz., 15c; pkt., 10c.

3570 Vaughan's Special Mixture of Dwarf Nasturtiums

This mixture is put up by ourselves from named sorts, and contains a large share of the Lilliput and the dwarf Chameleon, which have the richest and most varied combination of colors. Also the new Double Flowering Sorts. 1 lb., $1.50; ¼ lb., 45c; 1 oz., 15c; pkt., 10c.

MEXICAN OPAL CUP. ☐ 4 ft.

Culture: A in May or D (March-April)

3223 Luxuriantly growing plant bearing cup shaped flowers 2¼ inches across, of changeable coloring, blue lavender in shadow, pink in sun. Flowers in 5 weeks from seed and continues until frost, forming bush a yard in circumference. Pkt., 25c.

Forget-Me-Nots

MYOSOTIS ☐

Culture: C (June-Sept.), Set out (Sept.-Oct.)

They are considered among the best spring flowers and grouped with Pansies and Daisies the most lovely combinations may be obtained. The tall varieties are of trailing habit and adapted to covering large patches, which they transform into a sea of blue. Respond to good treatment and flourish in shady, moist situations. The national flower of Belgium.

3320 Alpestris Blue. Trailing habit. Pkt., 10c.

3325 —Alba. White. Pkt., 10c.

3322 —Blue Basket. This is the darkest of all Forget-Me-Nots. Plants grow upright and are splendid for borders or cutting. Pkt., 20c.

3321 —Blue Eyes. The plant is robust growing, and of fine constitution, very floriferous. The color is a telling bright blue, and, when seen in the mass is particularly effective. Pkt., 15c.

3328 —Indigo (Sutton's Royal Blue). Pkt., 10c.

3331 —Messidor. Large indigo blue flowers on long stems. Good cut-flowers. Pkt., 25c.

3330 —Rosea. Pink. Pkt., 10c.

3345 —Mixed. ⅛ oz., 25c; pkt., 10c.

For Cultural Instructions, See Page 87.

MYOSOTIS—Continued

The **Bouquet** type is a compact upright grower of the pillar or column type, blooms so freely the plants are completely smothered with flowers. 1 ft.

3350 Blue Bouquet. Royal blue color.

3351 Indigo Blue Bouquet. Dark blue flowers

3352 Pink Bouquet. Charming pink shade.

3353 White Bouquet.

Price, each of the above, pkt., 15c; 3 pkts. for 35c.

Dwarf Forget-Me-Nots

Dwarf globular plants, completely covered with bloom, best variety for borders and pots.

3340 Victoria Azure Blue, with yellow center

3341 —Indigo Blue. **3342 —Victoria Rose.**

3343 —White.

Price, each of the above, pkt., 10c; 3 for 25c

3390 **NICOTIANA** Affinis. Pkt., **10c.**

3393 **NICOTIANA** Affinis Crimson Bedder. Pkt., **15c.**

3926 **PENTSTEMON** Sensation Mixed. **25c**

Nicotiana

Sweet-Scented Tobacco Plant ☐

Culture: A or B (March-June), D or E (March-April)

One of the easiest annuals to raise and one of the most fragrant. The blossoms are not unlike a Petunia blossom, but with a longer tube. They open toward evening and emit a powerful perfume. 2 ft.

3390 Affinis. One of the most delightfully fragrant flowers. A bed planted near the house will perfume the evening air. A showy and profuse bloomer, giving a continuous display of waxy white flowers right through the summer and autumn. The plants are of branching, bushy habit, carrying their flowers in clusters. ⅛ oz., 25c; pkt., 10c.

3392 Affinis Hybrids. Splendid hybrids in blue, red and rose shades. Pkt., 10c.

3393 Crimson Bedder. A new dwarf strain, about 15 in. high, admirably suited for bedding purposes, and also for pots in the green-house. The flowers are of a rich deep crimson, freely produced, and make a striking effect. Pkt., 15c.

3395 Sanderae. A hybrid, branching habit, bearing on light, graceful stems, quantities of rosy carmine flowers. Pkt , 10c.

3396 Sanderae Crimson King. Dark velvety crimson-red flowers. Pkt., 10c.

3397 Sanderae Hybrids. All shades. Pkt., 10c.

3405 Sylvestris, 4 ft. Pyramidal habit, with long, tubular, pure white flowers, in panicles. Pkt., 10c.

3389 NICANDRA (Shoo Fly Plant). ☐ 3-4 ft. Grown for showy blue flowers and odd fruits. Pkt., 10c.

3410 NIEREMBERGIA Gracilis ☐ 6 in. White flowers, graceful plant for rockwork, etc. Pkt., 10c.

4101 **PHACELIA** Campanularia. Pkt., **10c.**

3420 **NIGELLA** Miss Jekyll. Pkt., **10c.**

Nigella ☐

Culture: A or B (March-June), D or E (Febr.-April)

3420 Miss Jekyll. A lovely variety, bearing on long stems, large semi-double flowers of a lovely tender cornflower-blue, nestling in fine feathery foliage. ¼ oz., 15c; pkt., 10c.

3422 Miss Jekyll White. Pkt., 10c.

3415 Mixed (Love-in-the-Mist). A compact, free-flowering plant with finely cut foliage, curious-looking seed pods; of easy culture, growing in any garden soil. Blue and white mixed. 18 in. ½ oz., 25c; pkt., 10c.

NEMOPHILA (Baby Eyes) ☐

Culture: A or B (March-June), D or E (March-April)

Hardiest of annuals, and of the easiest culture. Makes a very effective front row to a bed or border.

3376 Insignis, Blue. A popular plant for pots or borders. Oz., 40c; ½ oz., 25c; pkt., 10c.

3380 Mixed, all colors. Cup-shaped flowers in many bright colors, the blue shades being particularly attractive. Oz., 40c; ½ oz., 25c; pkt., 10c.

ORNAMENTAL GRASSES MIXED — See page 50.

3910 PASSIFLORA Coerulea Grandiflora. (Passion Flower). Blue. Pkt., 10c.

PHACELIA Campanularia ☐

Culture: A-B (March-June), D or E (March-April)

4101 8 in. Sow where they are to grow to produce a beautiful blue carpet of dwarf plants bearing terminal racemes of gentian-blue flowers with conspicuous white anthers; effective for edgings, etc., and a charming pot-plant. One of the earliest annuals and blooms a long time. ⅛ oz. 25c; pkt , 10c.

Pentstemon

Beard Tongue ☐

Culture: D or E (Jan.-March)

3926 Sensation Mixture. Although this is a perennial it can easily be grown as an annual. If sown in heat in February or March, they will flower freely the first year, producing large spikes of handsome gloxinia-like flowers. Often 2 in. across and in the most brilliant and varied colors, many of which are beautifully edged with a fine contrasting color. 2 ft. Pkt., 25c.

3928 Sensation Pink Shades. Pkt., 25c.

3927 Sensation Red Shades. Pkt., 25c.

3929 Sensation Violet Shades. Pkt., 25c.

3931 Miniature Hybrids. 2½ ft. A new strain bearing long graceful spikes of miniature flowers, similar to Gloxinoides, but with a wider color-range. Early, keeps well when cut. Pkt., 25c.

See Perennial pages for other varieties.

NEMESIA

Culture: D or E (February-March)

This is one of the dwarf annuals which make pleasing masses of low growth for foreground beds, and edging The orchid-like flowers, which are often three quarters of an inch across, are varied in color, ranging from rose, yellow-orange and blue. It dislikes hot, dry weather and should have an early start in greenhouse or hot-bed so it can flower before midsummer.

3361 Dwarf, Aurora. 8 inches. Upper petals are dazzling turkey-red and the lower ones milk-white.

3365 —Blue Gem. 7 inches. One of the best blue annuals for bedding.

3362 —Fire King. Bright red.

3363 —Orange King. Brilliant orange.

Price, each of above, pkt., 25c; 3 pkts. for 65c.

3366 Large Flowered Blue.

3372 Large Flowered Orange.

3373 Large Flowered Rose.

3368 Large Flowered Scarlet.

3374 Large Flowered White.

Price, each of above: pkt., 15c; any 3 pkts. for 35c.

3360 Large Flowered Mixed. 1 ft. Is the finest strain of the most popular flower, both for size and massive build of the individual flowers, also for the richness and variety of colors. ⅛ oz., 35c; pkt., 15c.

3359 NEMESIA Triumph Hybrids. A splendid race of these popular annuals. The plants grow 6 to 8 inches high, in bushy form, and bear continuously, myriads of brilliantly colored flowers; cream, orange, yellow, crimson, rose, scarlet, etc., tipped with other colors. Pkt... **15c**

3439 OENOTHERA Lamarckiana (Evening Primrose). Yellow. Pkt., 10c.

3435 Mixed. Pkt., 10c.

New Giant Pansies

Culture: C (May-July); Pot up July-Sept., winter in cold frame.

PANSIES, garden favorites since Shakespeare's time, have been marvelously improved. One may select from the strains listed below for whatever quality one may prefer—for size, color, or free blooming—in some cases finding all three combined: In the Swiss Giants and Maple Leaf Giants, a size has been attained which not long ago would have been incredible. To have a bed of pansies one must start the seed in the house in early spring and transplant when danger of frost is over, or else plant in fall in cold frame and winter over. Seeds may also be sown in spring out-of-doors for late summer and fall flowering.

VAUGHAN'S IMPROVED SWISS GIANT

3890 The flowers are gigantic size, perfectly round, fine substance of flower and good form of plant, and exhibit shades previously unknown in this family. They bloom early in the spring, continuing in flower all summer until late in fall. 1 oz., $8.00; ¼ oz., $2 50; ⅛ oz., $1.50; 1/16 oz., 90c; pkt., 25c.

3892 Swiss Alpenglow (Crimson Queen). Rich cardinal and garnet shades. Vivid and attractive. 1/16 oz., 75c.

3896 Swiss Berna. Dark violet blue. 1/16 oz., 75c.

3891 Swiss Blue (Ullswater) (Thuner Sea). A solid blue flower with blue black blotches. 1/16 oz., 75c.

3897 Swiss Delft Blue. A delightful tone of translucent blue of good size and substance.

3895 Swiss Luna. Light straw yellow.

3900 Swiss Pure White. Very free-blooming. 1/16 oz., 75c.

3899 Swiss Pure Yellow. 1/16 oz., 75c.

3893 Swiss Yellow (Rheingold). Rich yellow with blotches on the three lower petals. 1/16 oz., 75c.

Price, each of above, pkt., 25c; 3 pkts. for 65c.

For Cultural Instructions See page 87.

3892 **PANSY,** Swiss Alpenglow. Pkt., **25c.**

3880 PANSY Vaughan's International Mixture. A mixture of special strains such as Bugnot, Masterpiece, Swiss Giants, Maple Leaf Giants and Mammoth Exhibition. Flowers of largest size and great substance in the most varied colors and color combinations. Since this mixture contains but very few self-colors, such as white, blue and yellow, these should be ordered separately if desired. ⅛ oz., $1.10; 3 pkts. for 65c; pkt. (250 seeds), for **25c**

OXALIS □

Culture: D or E (Feb.-April)

3444 Cloth of Gold. 1 ft. A charming species. Deep golden-yellow flowers produced with such freedom in the latter part of the season as to completely hide the bright green foliage. Pkt., 10c.

MAPLE LEAF GIANT MIXTURE

3792 A distinct variety we introduced five years ago. It is quite different from other types. The leaves are of giant size and the flowers are up to 4 inches across, under good cultivation. Of wonderful substance and fine form. Many charming colors are included. This has been a prize winner whenever shown. ⅛ oz., $1.50; pkt. (250 seeds), 50c.

See also Novelties.

3875 PANSY Vaughan's Giant Mixture. Besides a good share of the "Fancy" strains such as Masterpiece, Bugnot, Cassier, etc., this mixture contains all the self-colors, such as white, yellow, blue, purple, red, bronze, etc., and is probably the best "general" high-grade mixture obtainable. All the flowers are of the "Giant" type and of good shape and texture. ⅛ oz., $1.00; 1 pkt. (250 seeds), 25c; 1 pkt. (125 seeds),..... **15c**

SPECIAL MIXTURES

3870 Chicago Parks Bedding Mixed. Great diversity of colors, free-flowering, blossoms slightly smaller than the Giant sorts. ¼ oz., 35c; pkt., 10c.

3861 Early Flowering Giant Mixed. Ice Pansy. Flowers three weeks earlier than others, affording an excellent companion for the early bulbs. Includes a good color range of twelve distinct tones. ⅛ oz., 35c; pkt., 10c.

3760 Boulogne Giant Mixture. The flowers are large, of great substance, fine form and are borne on particularly strong stems. They are mostly delicately veined, rich color. 250 seeds. Pkt., 50c.

3840 Trimardeau Mixture. It has a complete color range, but lacks the new varieties which can only be had in our Vaughan's Giant and International Mixtures. ⅛ oz., 30c; pkt., 10c.

3881 Engelmann's Giant. A special strain selected and developed by an English grower. The plants are dwarf and compact and the huge flowers, in many dark and light tones, appear early. Pkt., 25c.

GIANT VARIETIES

3750 Adonis. Blue, white margin. 10c.

3756 Azure Blue. Sky-blue. ⅛ oz., 30c; pkt., 10c.

3859 Beaconsfield. Upper petals almost white, lower rich purple. 10c.

3771 Coal Black. A jet black. ⅛ oz., 30c; pkt. 10c.

3779 Emperor William. Dark navy blue. ⅛ oz., 30c; pkt., 10c.

3785 Mad. Perret. Pink blends. 10c.

3822 Prince Henry. Dark blue. 10c.

3819 Purple. Rich deep purple. 10c.

3829 Rembrandt. Compact habit, long stemmed, five blotched, vivid bronze-orange. Pkt., 25c.

3832 St. Knud. Orange. Pkt., 10c.

4100 Vaughan's Best Large Flowering Single Mixed. Pkt., **25c.**

4100 **PETUNIA** **Vaughan's Best Mixture Large Flowering Single Petunias.** This mixture is made by ourselves and includes, besides the Giant Ruffled, all the colors of the large flowering and fringed sorts, and the unsurpassed Superbissima varieties, with their delicately veined throats in various colors, and their truly mammoth flowers.
1/64 oz., $1.50; pkt. (300 seeds),..... **25c**

Large Flowering Petunias

Culture: D or E (Feb.-April)

GREATLY improved by the plant breeders, petunias are constantly advancing in importance in our gardens and decorations. Their great merit is constant and prolific flower production from early summer until frost cuts them down. They have been vastly improved in coloring, giving us some of the finest pink and blue tones obtainable; while the large flowering single and double varieties produce flowers of a size and exquisite beauty seldom equaled. For solid beds, ribbon planting, groups in borders, in flagged walks and terraces, or for porch and window boxes they serve well. They like the full sun.

Balcony Type Petunias

Single large flowering sorts, trailing habit.

4037 **Balcony Black Prince.** Dark crimson, rich and velvety, remarkably even. Finest of its color.

4040 **Balcony Blue.** Rich, velvety violet.

4030 **Balcony Queen.** Rich, velvety violet with white star.

4034 **Balcony Red.**

4041 **Balcony Rose.**

4035 **Balcony White.** Award of Merit at the Wisley trials of Royal Horticultural Society.

4038 **Coppery Rose.** A beautiful warm color.

4036 **Corn Flower Blue (Blue Wonder).** Several shades lighter than the regular Balcony Blue.

4039 **Netted Blue Gem.** The color is a steel blue beautifully netted or veined with a deep violet.

Price, each of the above: pkt., 25c; any three for 65c.

4042 **Balcony Mixed.** 1/8 oz., 60c; pkt., 25c.

Large Double Flowering

3935 **Vaughan's Mixture of Double Petunias.** This is a mixture of the best large flowering and fringed double petunias. Of course, only a certain percentage of double flowers may be expected from seed, but our mixture will produce from 60 to 80 per cent of doubles, while the remainder will be choice, large single flowers. The weaker seedlings should be carefully saved, as those invariably produce the finest double flowers. 1/64 oz., $6.00; pkt. (200 seeds), 50c.

3946 **Double Red.**

3940 **Lady of the Lake.** Double white, fringed.

3952 **Double Mixed.** 1/64 oz., $3.00.

Price, each of the above, pkt. (125 seeds), 25c.

3953 **Double Rosy Morn.** Medium-sized flower semi-double with heavy petals folding back from center of a lovely rose color. It resembles a Gardenia in shape. Pkt. (250 seeds), 50c.

3955 **Double Small Flowered Mixed.** The flowers of this strain are smaller than those of the above types, but they are produced in greater profusion. Pkt. (300 seeds), 25c.

See Novelties for the "Alldouble" Petunias.

4065 **PETUNIA** **Giants of California Mixed.** A well balanced mixture containing a remarkably fine variety of colors, in blends of crimson, white, violet, lavender and pink. Large flowers freely produced.
1/64 oz., $1.50; pkt. (350 seeds),..... **25c**

4078 Setting Sun. Pkt., **35c.**

4048 Queen of the Market. Pkt., **35c.**

4037 Balcony Black Prince. Pkt., **25c.**

For Cultural Instructions See page 87.

Large Single Fringed Flowering

4045 **Brilliant Rose Fringed.** Pkt., 25c.

4044 **Gaiety.** Bright rose and white, justifying its name, petals wavy and fringed. Bushy plants 8 to 12 inches, covered with large flowers. 25c.

4053 **Lace Veil.** Large pure white flowers with fringed petals, many waved, suggest the name. 25c.

4061 **Coerulea.** Fringed delicate blue, veined with dark blue. Pkt., 50c.

4047 **Purple Beauty.** A large flower beautifully frilled, the best blue fringed Petunia. Pkt., 50c.

4069 **Ruffled Giants.** The charm of these is difficult to describe. There are so many bewitching shades of color in the gigantic flowers. Pkt., 50c.

4077 **Salmon Beauty.** True salmon pink, one of the outstanding varieties in our trials. Pkt., 25c.

4078 **Setting Sun.** Forms compact bushes 12 inches high, covered with fringed blossoms of rose pink, measuring 3 inches across. Pkt., 35c.

4062 **Theodosia.** Fringed rosy pink with a clearly defined golden center with minute stripes. Highly recommended at Wisley, England, trials of Royal Horticultural Society. Pkt., 35c.

4060 **PETUNIAS** **Large Flowering Fringed Mixed.** A superb strain of elegant, finely fringed flowers, in remarkable variety of color.
Pkt. (350 seeds),..... **25c**

Large Single Flowering

The flowers of this type average 3 to 4 inches across.

4051 **Dwarf Pink Glory.** Pure flame-rose pink. One of best bright pinks. Pkt., 35c.

4058 **Elk's Pride.** Velvety black-purple of remarkably rich and even tone, best of all dark blues. Pkt., 25c.

4048 **Queen of the Market.** The color is a deep carmine red with a scarlet overtone. The blooms are 3½ in., fine shape and slightly waved. A glowingly beautiful variety. Pkt., 35c.

4056 **Pride of Portland.** Deep rose fringed. 25c.

4052 **Silver Edge Purple Robe.** A superb deep velvety violet—enhanced by a fine silver line usually appearing at the edge of the flower. Highly recommended at Wisley, England, trials of Royal Horticultural Society. Pkt., 50c.

4059 **White Beauty.** Fringed, pure white. Pkt., 25c.

4067 **White Cloud.** Fine compact bushes only 12 inches high, richly covered with pure white blooms 3 to 3½ inches in diameter. Pkt., 35c.

4066 **Dwarf California Giants Mixed.** The habit of the plant is very dwarf, flowers very large and of the finest substance. All with open veined throats of the superbissima type. Pkt., 250 seeds, 50c; 500 seeds, 90c.

4067 White Cloud. Best Large Flowered White. Pkt., **35c.**

4017 **PETUNIA** Celestial Rose. Pkt., **25c.**

4001 **PETUNIA** Heavenly Blue Re-selected. Pkt., **25c.**

4005 **PETUNIA** Improved Rosy Morn. Pkt., **15c.**

3975 **PETUNIA** Howard's Star Improved. Pkt., **10c.**

Giant Single Flowering

The flowers of this strain average 5 to 7 inches across.

4063 Camilla. A beautiful, ruffled rose-pink, with rich crimson veining. Pkt., 50c.

4071 Copper Rose. Enormous flowers with a dark throat, deeply veined. Pkt., 25c.

4070 Empress. Lilac blue with purple veins. 25c.

4081 King Alphonso. Very dark crimson. 25c.

4064 Lavender Blue. Pkt., 50c.

4090 Prince of Wurttemberg. Darkest. Pkt., 25c.

4075 White. Yellow throat. Pkt., 25c.

4025 **PETUNIA** Vaughan's Dwarf Small Flowering Mixed. Pkt, **10c.**

4099 **PETUNIA** Improved Rose King. Pkt., **20c.**

Small Flower Petunias

Culture: A or B (Mar.-June), D or E (Mar.-April)

Single Dwarf Small Flowering Petunias

3997 Alderman. Beautiful dark violet. Pkt., 15c.

3998 Blue Bird. Deep velvety violet-blue. Pkt., 15c.

4017 Celestial Rose. Improvement on Rose of Heaven. More compact in growth and deeper in color. A beautiful rich satiny rose. Pkt., 25c.

3999 Cockatoo. Velvety deep violet-purple with irregular sized white spots and stars. Pkt., 25c.

4002 Crimson. Pkt., 10c.

3976 Dwarf Howard's Star. Much more compact than the standard Howard's Star, with bushy plants two inches lower. White flowers are marked with rays of redder purple than the standard variety. Pkt., 15c.

4015 Dwarf Inimitable. Regular white stars on deep old rose ground. Pkt., 10c.

4001 Heavenly Blue Re-Selected. A silvery light blue. Varies about 10% in shade. Pkt., 25c.

4099 Improved Rose King. Large rosy flowers are freely borne on plants of loose habit. Color is quite uniform. Pkt., 20c.

4005 Improved Rosy Morn. An improved strain of the long popular clear pink bedding variety. Of deeper coloring, more compact growth, and freer flowering than the older type, with the same white throat. ⅛ oz., 50c; pkt., 15c.

4010 Norma. Blue with white star. Pkt., 10c.

4018 Rose of Heaven. Rich brilliant rose, with inconspicuous white throat, darker than Rosy Morn. ¼ oz., 60c; ⅛ oz., 35c; pkt., 10c.

4019 Senator. Purple with white throat. Pkt., 15c.

4020 Snowball. Pure satiny white. ¼ oz., 60c; ⅛ oz., 35c; pkt., 10c.

Single Small Flowering Petunias

3958 Alba. Pure white.

4006 Flaming Velvet. All America Gold Medal in 1936. A rich velvety crimson, best of its color in this class. ⅛ oz., 50c; pkt., 15c.

3981 Golden Rose. Brilliant rose, yellow throat.

3975 Howard's Star Improved. Crimson-maroon with a clearly defined star of blushing white.

3985 Sutton's Blue Bedder. Rich blue. Pkt., 25c.

3990 Violacea (Violet Blue). 18 in. Same shade as Blue Bird but taller.

Price, each of the above, except noted otherwise, pkt., 10c.

3995 Finest Mixed. Oz., $1.25; ½ oz., 75c; ¼ oz., 40c; ⅛ oz., 25c; pkt., 10c.

4025 Vaughan's Special Mixture of Dwarf Small Flowering Varieties includes all the varieties listed and many others and will be a revelation to those who plant a packet, in furnishing an unending supply of flowers in a most bewildering combination of colors. Oz., $2.50; ¼ oz., 70c; ⅛ oz., 40c; pkt., 10c.

4006 **PETUNIA** Flaming Velvet. Pkt., **15c.**

4515 PYRETHRUM Aureum Golden Feather.
☐ 6 in. Edging plant grown for its beautiful yellow foliage. Pkt., 10c.

4018 **PETUNIA** Rose of Heaven. Pkt., **10c.**

Vivid New Annual Phlox

Culture: A or B, D or E (February-March)—**For Cultural Instructions See page 87.**

ONE of the easiest of annuals to grow, the annual phlox of modern strains cannot be surpassed in their clear, vivid coloring and variety of tones. All colors of the rainbow can be reproduced in their globular flower heads, borne on strong stems, which in a properly planted bed will form a sheet of color. Seed may be sown in the open as soon as frost danger has passed, and flowers will appear in a few weeks. If faded flowers are removed they bloom until late frost. 12 inch. **HARDY PHLOX**—See Perennial pages.

4220 **PHLOX** Vaughan's Special Mixture. Pkt., **15c.**

4220 PHLOX VAUGHAN'S SPECIAL ANNUAL MIXTURE. Contains all the grandiflora varieties listed here and several other strains only to be had in this mixture, and will delight and astonish all with its extensive variety of colors. Over 30 different shades will be produced from a single package. 1 oz., $1.60; ¼ oz., 50c; ⅛ oz., 30c; pkt.. **15c**

5844 ANNUALS FOR WINDOW OR PORCH BOX IN MIXTURE. A charming selection of quick growing annuals which will make a bright spot and interesting display. This is a formula mixture carefully prepared to include both compact and trailing types with brilliant colors and long flowering season. Pkt., 20c.

4175 **PHLOX CUSPIDATA (Star).** Mixed. Pkt., **10c.**

Giant Flowered Phlox.

4103 Gigantea Art Shades. A new strain with flowers 1½ inches in diameter, in a remarkable variety of soft color tones, which blend delightfully. Pkt., 25c.

Grandiflora Varieties ☐

This section has beautiful, round-petaled flowers, which overlap each other.

4113 Brilliant. Rose with dark eye.
4114 Cinnabarina. Brilliant red.
4120 Chamois Rose.
4137 Dark Blue. True blue.
4125 Fiery Scarlet.
4126 Flaming Velvet.
4127 Flaming Velvet. White eye.
4115 Flesh Color.
4146 Leopoldi. Rose with white eye.
4155 Pink.
4105 Pure White.
4160 Violet with White Eye.
4107 White with Dark Eye.
4140 Yellow.

Price, any of the above, ⅛ oz., 30c; pkt., 10c; any 3 pkts., 25c.

4175 Cuspidata or Star Mixed. Quaint and unusual flower formation. ¼ oz., 40c; pkt., 10c

4165 Splendid Mixture. Oz., $1.40; ¼ oz., 35c; pkt., 10c.

Nana Compacta Dwarf

These are superior for ribbon bedding or borders The plants make symmetrical bushes, covered with flowers during the whole summer and fall. 8 in

4182 Apricot. Yellow
4182A Cinnabarina. Brilliant red.
4184 Dark Purple.
4187 Delicata. Soft salmon pink
4183 Fireball. Blood-red.
4192 Isabellina. Yellow.
4201 Mirabilis. Salmon-rose with white eye. Strikingly beautiful.
4200 Salmon Pink.
4195 Sky-Blue with White Eye.
4189 Snowball. Pure white.
4203 Violet.
4204 Violet, White Eye.

Price, each of the above, ⅛ oz., 50c; pkt., 15c; any 2 pkts. for 25c.

4205 Nana Compacta. Mixed. All colors. Oz., $2.50; ⅛ oz., 40c; pkt., 10c.

RICINUS (Castor Bean) ☐

Culture: A or B (May 15th), D or E (February-March)

Giant, strong growing plants, with ornamental foliage. Moles are kept away by planting Castor Beans in the borders. Ricinus attract Japanese beetles. After devouring the leaves the insect dies.

4547 Borboniensis Arboreus. 15 ft. Immense plants with green foliage. Oz., 20c; pkt., 10c.

4546 Crimson Spire. The bushy plants grow 6 to 8 ft. high with large palmate leaves of a lustrous purple gradually changing to bronzy green, with red stems, stalks and seed spikes. Pkt., 10c.

4545 Cambodgensis. 6 to 8 ft. Large palm-like leaves of darkest maroon; stalk nearly black. 1 oz., 20c; pkt., 10c.

4555 Sanguineus. 6 ft. Green leaved, red stems. 1 oz., 20c; pkt., 10c.

4570 Mixed. Many sorts. 1 oz., 15c; pkt., 10c.

4565 Zanzibar Enormis. 1 oz., 25c; pkt., 10c.

4560 Zanzibar Mixed. 10 to 12 ft. The ornamental leaves, beautifully lobed, are 2½ to 4 ft. across. Each plant a perfect pyramid. Oz., 20c; pkt., 10c.

4232 POLYGONUM Orientale (Kiss-me-over-the-garden-gate). ☐ Pink. 7 ft. Pkt., 10c.

4455 **PORTULACA** Double Best Mixed. **10c.**

Portulaca

For Hot, Dry Spots (Rose Moss). ☐

Culture: A (March-July), D (February-March)

Portulacas not only bear the poorest soil without complaint, but during a dry season when everything else is looking sorry for itself these brave little fellows gaily nod their thousand bright metallic looking flowers and seem to enjoy the drought. Easily transplanted. In sowing, mix the seed with many times its bulk in dry sand to insure an even distribution. Sow in May, when the ground is thoroughly warmed through, and very soon one of the loveliest of floral carpets will appear. Sow between stepping stones.

Large Flowering Single

4400 White. **4410 Pink.**
4405 Yellow. **4420 Scarlet.**

Price, each of the above, ¼ oz., 30c; pkt., 10c; any 3 pkts., 25c.

4425 Giant Parana. The flowers are fully twice as large as those of other Portulacas and of the most dazzling reddish-purple. Oz., $1.00; ¼ oz., 30c; pkt., 10c.

4430 Single Mixed. Lb., $6.00; ¼ lb., $1.70; 1 oz., 60c; ¼ oz., 20c; pkt., 10c.

Large Flowering Double

4435 White. **4441 Salmon.**
4438 Yellow. **4443 Scarlet.**
4440 Pink.

Price, each of the above, ⅛ oz., 50c; pkt., 10c; any 5 pkts., 25c.

4455 Double Best Mixture. 1 oz., $2.50; ¼ oz., 75c; ⅛ oz., 50c; pkt., 10c.

4430 **PORTULACA** Single Mixed. Pkt., **10c.**

PENNISETUM (Fountain Grass) ☐ 2½ ft.

Culture: D or E (February-March), A or B (May 15th)

3920 Longistylum. Greenish white plumes. Pkt., 10c

3925 Rueppelianum (Purple Fountain Grass). Graceful green foliage and purplish plumes. Pkt., 10c.

4370 **POPPY** Shirley Vaughan's Special Mixture. Pkt., **10c.**

Giant Poppies

Culture: A (March-June)

Sow them early—since they defy frosts—and where they are to bloom, as they dislike transplanting. They flower in a few weeks from seed. Successive sowings should be made to provide continuous flowering. Mix the seeds with sand to scatter them and thin out to 8 inches apart.

Single Annual Poppies

4245 Flanders Poppy. 30 in. Vivid scarlet-red. This flower has in the minds of men been associated for over two hundred years with the battlefields of Flanders. Sow with Centaurea Cyanus Double Blue. Lb., $3.00; 1 oz., 40c; ½ oz., 25c; pkt., 10c.

4255 King Edward. 36 in. Flowers deep scarlet shaded crimson, with a large black blotch at the base of each petal. Pkt., 10c.

4270 Tulip (Glaucum). 20 in. Large tulip-shaped flowers of dazzling scarlet; not unlike a Scarlet von Thol Tulip. Oz., 50c; ½ oz., 30c; pkt., 10c.

4305 Vaughan's Special Mixture Single Poppies. This mixture includes all the choice single listed Poppies and many other kinds not listed. It is really extra choice. 1 oz., 40c; ½ oz., 25c; pkt., 10c.

Shirley Poppies (Silk or Ghost)

These have beautiful satiny flowers of various colors, all with white centers. Foliage is hairy and finely cut.

4277 American Legion. A dazzling orange-scarlet of enormous size. ¼ oz., 25c; pkt., 10c.

4278 Blue Shirley. 20 in. Various blue shades. Pkt., 10c.

4279 Double Begonia Flowered Cavalcade. Has the same rich orange-scarlet color of the Single Shirley American Legion, brilliant and most attractive. The large flowers, rich and beautiful. Pkt., 10c.

4240 Double Begonia Flowered Dazzler. The large flowers are double, rich and beautiful. Color a dazzling orange scarlet. Pkt., 15c.

4238 Double Begonia Flowered Sweet Briar. Sweet Briar is a delightful shade of deep rose-pink. The blossoms are full double. Pkt., 10c.

4239 Double Begonia Flowered Mixed. The flowers resemble the double tuberous rooted begonias in form and contain an assortment of lovely light shades. Pkt., 10c.

4368 Double Shirley Ryburgh Hybrids. Beautiful double satiny flowers in shades of white, pink and old rose with white center. Pkt., 10c.

4295 Eldorado Salmon Shades. 2 ft. Pkt., 10c.

4280 Wild Rose Shirley. 20 in. Shades of rose and pink. ¼ oz., 25c; pkt., 10c.

4370 Vaughan's Special Mixture of Shirley Poppies. 1 oz., 40c; ½ oz., 25c; pkt., 10c.

Double Poppies Like Peonies

Double Annual Poppies
GIANT PEONY-FLOWERED (Plain Petals)

4325 Pure White. **4338** Cardinal Red.
4330 Pale Yellow. **4345** Salmon.
4335 Pink.

Price, each of the above, ¼ oz., 25c; pkt., 10c; any 3 for 25c.

4380 Peony-Flowered Mixture. Double ball-shaped flowers with plain edges of gigantic size. ½ oz., 20c; pkt., 10c.

4257 Barr's Tall Salmon Irresistible. 2½ feet. Large double fringed flowers measuring 5 inches across, ranging from brilliant rose to salmon rose with large white center, very beautiful. Pkt., 15c.

4375 Carnation-Flowered Mixture. Large flowers with fringed petals many striped. ½ oz., 20c; pkt., 10c.

4390 Vaughan's Special Mixture Double Poppies. This includes all the double sorts, and will produce charming flowers in an endless variety of colors. 1 oz., 40c; ½ oz., 25c; pkt., 10c.

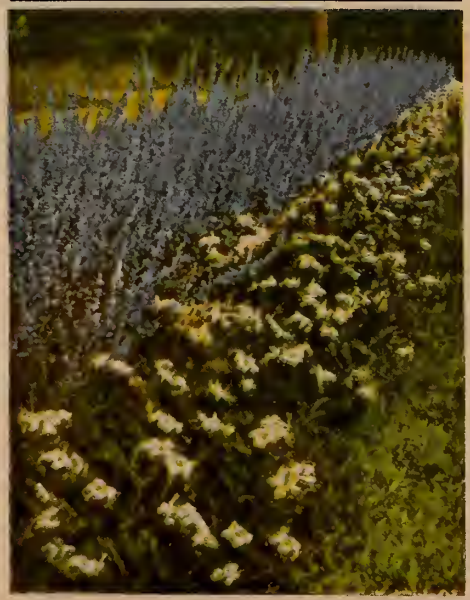
Cardinal Strain — Double Annual

We recommend Cardinal Strain for all those who love the Carnation Flowered type. The flowers are very large, daintily fringed, fully round and double, on plants which are at least a foot shorter than the usual strain of double Poppy.

4250 —Blush Pink. **4246** —Chamois.
4249 —Salmon Rose. **4247** —Scarlet.
4248 —White. Invaluable for beds and masses, double flowers of snowy whiteness.

Price, each of above, ¼ oz., 50c; pkt., 15c; any 3 for 35c.

4310 Vaughan's Special Mixture Double and Single Poppies. Comprises not only all the double and single Poppies described, but also a number of other sorts especially purchased for this mixture, including some entirely new ones. 1 lb., $4.00; ¼ lb., $1.25; 1 oz., 40c; ½ oz., 25c; pkt., 10c.



4683 **SALVIA** Farinacea Blue Bedder (in Background). Pkt., **10c.**

See Complete Index, Pages 114 and 115. to Find Items Quickly.

KEY TO SYMBOLS: □Annuals. ⁂Biennials. ①Perennials. ÷Greenhouse Plants. +House Plants. =Climbing Plants. ×Rock Garden Plants.

4640 **SALVIA SPLENDENS** America. Pkt., **25c.**

Salvias □

Culture: D ar E (Feb.-March), A ar B (May 15th)

The brilliant scarlet Salvia Splendens, so highly valued as a source of this vivid color in summer beds, borders, window boxes and flower pots, is by no means the only worthy member of this family. The tall pale lavender Salvia Farinacea Blue Bedder is increasingly popular in summer borders, and Blue Beard is an excellent border foreground subject.

Splendens Type

4645 Alba. Pure white with a suggestion of pale pink at the tip of the unopened flower. Pkt., 35c.

4640 America, or Globe of Fire. 16 in. Freest and most continuous bloomer; also the most uniform in habit, which makes it particularly valuable for bedding or ribbon planting. ¼ oz., 75c; pkt., 25c.

4655 Clara Bedman or Bonfire. 2 ft. The spikes grow erect and stand clear above the foliage. The plants form handsome globular bushes. ¼ oz., 60c; pkt., 15c.

4650 Fireball. 1½ ft. The bushy plant is covered with flower spikes of fiery scarlet. The plants branch freely, the side shoots often producing 4 to 6 flowering spikes. Pkt., 15c.

4665 Indian Purple. Some object to the scarlet color of the Splendens varieties. This is a true purple-violet. Pkt., 15c.

4668 Salmonea. Long spikes of salmon-rose. A new color. Pkt., 25c.

4675 Mixed. All red varieties. Pkt., 10c.

Other Salvias

Culture: A ar B (March-May), D ar E (March-April)

4679 Blue Beard. Grows 1 ft. high. Its blue-purple heads produce a fine effect in beds and borders and are prized for cutting. Pkt., 10c.

4680 Coccinea. 2 ft. Bright scarlet sage, tubular flowers, half hardy. Pkt., 10c.

4683 Farinacea Blue Bedder. 2½-3 ft. An improved selection of the lovely blue Farinacea, sturdier in growth, with a deeper blue coloring. It makes a splendid background for all other colors in the border, and can be dried as an everlasting. Considered by many experts as one of the best annuals. ¼ oz., 75c; ⅛ oz., 40c; pkt., 10c.

4681 Oxford Blue. 12 to 18 in. A pure Oxford blue found nowhere else. Height depends on fertility of soil. Requires a sunny exposure. Pkt., 10c.

See also Novelty and Perennial Pages.

RUDBECKIA

Culture: A ar B, D ar E. (February-March)

4583 Kelvedon Star. 3 ft. A long stemmed flower perfect for cutting, having dark brown central discs, surrounded by a shining mahogany zone on petals of deep orange. Sowing should be made in February and seedlings planted out during the second week of April. A rampant grower, and flowers till frost. Pkt., 15c.

4582 My Joy. Giant Black-eyed Susans. Flowers very large, some over five inches in diameter, of an orange-yellow with rather small cone. Pkt., 25c.

Gold-Veined Salpiglossis

Culture: A or B (March-April)

ONE of the easiest of annuals to grow, the salpiglossis is in appearance an aristocrat, which is prized in the gardens of the wealthy. It is rich in deep color tones rare in the floral world, which are set off by veins of gold, marking every petal. The rule for growing salpiglossis is, give it room and do not coddle. Sow in the full sun in fairly rich soil as early as possible, and preferably in the place where it is to grow, to avoid transplanting. Do not overwater, but keep "on the dry side." Its blossoms, similar in shape to a petunia, on strong stems are borne profusely until frosts kill the plants. 30 inches.

4630 **SALPIGLOSSIS** Vaughan's Special Mixture. Pkt., **15c.**

SALPIGLOSSIS ☐

4590 Bright Crimson. **4591** Brown and Gold. **4595** Faust. Black. **4600** Rose and Gold. **4605** Velvety Violet. **4610** Golden Yellow. **4611** Blue and Gold. **4613** Scarlet and Gold. **4614** Velvety Red. **4616** White and Gold. **4617** Violet and Gold.

Price, each of the above: Oz., $1 50; ¼ oz., 40c; ⅛ oz., 25c; per pkt., 10c; any 3 pkts., 25c.

4625 Emperor Mixed. Large improved strain. Complete range of colors. ⅛ oz., 25c; pkt., 10c.

4615 Gloxiniaflora Mixed. A special selection of the Painted Tube Tongue made by a French hybridizer. Flowers large and fancifully veined in contrasting colors. Pkt., 10c.

4630 Vaughan's Special Mixture. This mixture is put up by ourselves of separate varieties and is without doubt the best mixture obtainable. ⅛ oz., 25c; pkt., 15c.

SCARLET RUNNER Emperor ☐

Culture: A (May 15th), D or E (March-April)

4766 Bears edible beans, popular in the north. Plants are of strong, quick growth, bearing large sprays of bright scarlet pea-like flowers. The dry beans are bright scarlet, blotched purple. Pkt., 10c.

4757 **SCHIZANTHUS** Vaughan's Excelsior Hybrids. Pkt., **25c.**

SCHIZANTHUS ☐

Culture: A or B (March-June), D or E (March-April)

This is one of the daintiest of annuals. The seed germinates readily and in a few weeks the plant is a mass of small but bright flowers. It may be sown in spring for garden decoration or may be seeded in fall in pots in the conservatory or house.

4754 Pansy Flowered (Danbury Park strain). A new type, with large smooth-edged blooms of pansy shape, in rich self-colors including pink, crimson, mauve, purple and white. Pkt., 35c.

4755 Dr. Badger's Hybrids. An extraordinary strain in many beautiful colors. Pkt., 25c.

4759 Retusus Rosamunde. 2 ft. A distinct type of large orchid-like flowers of upright and stiff growth, which makes good cut flower material. Delicate rose-spotted flowers. Pkt., 10c.

4761 Retusus Rose and Gold. Distinct and pleasing. Pkt., 10c.

4758 Retusus White and Gold. White flowers with gold blotch, larger than type. Pkt., 10c.

4762 Retusus Mixed. Pkt., 10c.

4757 Vaughan's Excelsior Hybrids. A choice strain with very large flowers with handsome markings on white, buff, brilliant rose, blue and purple ground. Finest yet offered. Pkt., 25c.

4760 Wisetonensis Mixed. 1½ ft. Profusion of flowers varying from almost white with yellow eye to brilliant rose with bronzy center. ⅛ oz., 25c; pkt., 10c.

4530 RHODANTHE Manglesi Rose (Everlasting). Bright rose. Pkt., 10c.

4540 —White and Pink Mixed. Pkt., 10c.

SAPONARIA (Soapwort)

Culture: A or B (March-July), D or E (March-April)

4694 Multiflora Scarlet Queen. 6 in. Dwarf, bearing an immense number of rosy-scarlet flowers.

4695 Pink Carpet. 6 in. A lovely plant for edging, with pink starry flowers produced in great abundance. Grows readily from seed. Blooms until frost

4693 Vaccaria Alba. White.

4691 Vaccaria Rose. 2 ft. Light graceful sprays of glistening pink flowers, somewhat like a "glorified" Gypsophila, produced in profusion.

4692 Vaccaria Mixed.

Price, each of the above, pkt., 10c.

SANVITALIA
Creeping Miniature Zinnia

Culture: A or B (March-June), D or E (March-April)

4690 Procumbens Fl. Pl. ☐ 6 in. Sanvitalia flowers are much like tiny Zinnias, golden yellow with very dark purple centers, some single and others double. The plants are prostrate and creep over the soil instead of growing upward. They start blooming in June and continue until frost. ⅛ oz., 25c; pkt., 10c.

4690 **SANVITALIA** (Creeping Miniature Zinnia). Pkt., **10c.**

4740 **SCABIOSA** Vaughan's Special Mixture Pkt., **10c.**

Sweet Scabiosa

(Mourning Bride)

Culture: A or B (March-June), D or E (Feb.-March)

The flower stems are long and the blossoms keep well in water. Soft tones predominate. When given plenty of room and faded flowers are kept picked off, it will last through the whole summer. 30 inches.

Large Flowering Double

4731 Amethyst or Ageratum Blue. **4715** Azure Fairy. **4700** Golden Yellow. **4710** Fiery Scarlet. **4720** Cherry Red. **4725** Black Prince. **4730** Rose. **4728** Shasta. Pure white. **4729** Peachblossom. Peach-blossom pink.

4727 Loveliness. It has long, stiff stems, a delightful fragrance and a glorious salmon-rose color.

Price, each of the above; Oz., $1.00; ¼ oz., 30c; pkt., 10c; any 3 pkts. for 25c.

4732 Rosette. Extra large flowers of a beautiful deep rose suffused with salmon, borne on long stiff stems. A glowing color, new to the scabiosa family, and a 1937 introduction. Pkt., 20c.

4742 Coral Rose. Compact plant. 8 inches tall. Flowers deep rose-pink, tinged salmon. Pkt., 10c.

4743 Dwarf Double Mixed. 1½ ft. Various colors Do not require staking and are desirable for planting in front of the taller sorts. ⅛ oz., 25c; pkt, 10c.

See also Perennial Pages.

4740 SCABIOSA Vaughan's Special Mixture. Many new colors have been purchased for this and we are sure the delicate and soft colors will be admired by all our friends who plant a packet of this seed. Oz., 80c; ¼ oz., 25c; pkt..... **10c**

4732 **SCABIOSA** Rosette. Pkt., **20c.**

5346 Apollo. Pkt., **10c.** 5495 Mrs. Herbert Hoover. Pkt., **10c.** 5416 Giant Rose. Pkt., **10c.** 5557 Vogue. Pkt., **10c.** 5555 Valencia. Pkt., **10c.**

10 Best Early Sweet Peas for 75c

No. 5600—1 PACKET EACH OF THE FOLLOWING VARIETIES (CATALOG VALUE $1.00):
Apollo, Amethyst, Colossal Rose, Hope, Josie, Lavanda, Mrs. Herbert Hoover, Red Wood, Sequoia, Valencia

Culture: A, D or E (March-May)—**For Cultural Instructions See page 87.**

A new race of Sweet Peas, having the large waved flowers of the Spencer type, but flowering fully one month earlier, they also continue to flower for a much longer period. Excellent for greenhouse planting and also for outdoor sowing. This class is recommended for all sections where spring is late and of short duration, as they give flowers before the summer heat arrives. Duplexed varieties often have 3 to 4 standards and the same number of wings, giving the appearance of a semi-double flower.

Early Flowering Spencer

Price, any of following: oz., 50c; pkt., 10c; any three 10-cent pkts., 25c.

5343 **American Beauty.** Crimson-rose on white.
5345 **Amethyst.** Royal purple.
5344 **Annie Laurie.** Richest pure rose-pink.
5346 **Apollo.** Soft salmon rose, long stem.
5375 **Blue Bird.** Violet-blue.
5350 **Blue Boy.** Clear blue.
5399 **Eileen.** Begonia rose with salmon shading.
5403 **Eleanor Blue.** Blue with silver sheen.
5404 **Exposition Pink.** Large waved pink.
5411 **Fandango.** (Duplex.) Bright rose, large, magnificently frilled, long stemmed.
5407 **Fascination.** Salmon rose-pink.
5457 **Fragrance.** Large frilled lavender, fragrant.
5416 **Giant Rose.** Imp. Zvolanek's rose.
5430 **Grenadier.** A glowing poppy-scarlet.
5438 **Harmony.** Clear lavender.
5470 **Laddie.** Rose pink on white ground.
5486 **Majestic Rose.** Immense deep, brilliant rose-pink flowers on long stems.
5488 **Mrs. Coolidge.** Salmon pink.
5495 **Mrs. Hoover.** "The California Blue."
5540 **Snowstorm Improved.** Large, pure white.
5526 **Spring Song.** Salmon-pink.
5527 **Success.** Deeper than other rose-pinks and a very strong grower. Four flowers on a stem.
5555 **Valencia.** Bright orange, sun-proof.
5557 **Vogue.** Standard lilac lavender, flushed rosy lavender and wings clear lilac lavender.
5565 **White Harmony.** Black seeded.

5595 **SWEET PEAS** **Vaughan's Special Mixture. Early Flowering Spencers.** All the varieties listed and many others. Lb., $5.00; 4 oz., $1.50; 2 oz., 90c; oz., 50c; pkt., 15c.

Late Flowering Spencer

5348 **Beatall.** Pale blush cerise with a suffusion of salmon and rose. A very rich, charming Sweet Pea.
5003 **Charity.** Best red.
5020 **Constance Hinton.** White, black seeded.
5064 **Fluffy Ruffles.** A new type, duplexed and frilled, with long stems. A lovely rich rose-pink.
5063 **Fortune.** Rich dark blue.
5066 **George Shawyer.** Giant salmon-rose.
5117 **Heavenly Blue.** Delphinium-blue.
5199 **Pinkie.** Large rose pink.
5070 **Pirate Gold.** Golden orange.
5195 **Powerscourt.** One of the finest lavenders.
5147 **Queen of the Belgians.** Deep orange-scarlet.
5310 **Warrior.** Rich chocolate-maroon.
5311 **Youth.** Large white, pink picotee edge.

Price, Late Flowering, any of above: Oz., 25c; pkt., 10c; any three 10-cent pkts. for 25c.

10 BEST LATE FLOWERING Spencer Sweet Peas Collection No. 5325

Price, One Packet of Each for 50c.

Beatall	Heavenly Blue
Charity	Powerscourt
Constance Hinton	Queen of the Belgians
Fortune	Warrior
George Shawyer	Youth

For PERENNIAL SWEET PEAS—See Lathyrus Latifolius in Perennial pages.

Vaughan's Special Mixture

5320 **Late Spencer Varieties.** This mixture is one we make ourselves from named sorts of late flowering ruffled or Spencer varieties and a few of the early flowering ruffled. The result will be a gorgeous display of wonderful blossoms for a long period of time. Lb., $2.00; ¼ lb., 60c; oz., 25c; pkt., 10c.

Inoculate sweet peas with Nitragin. Two garden sizes, 10c and 25c.

Color Plate Collection

5596 One pkt. each Sweet Peas—Apollo, Mrs. Herbert Hoover, Giant Rose, Vogue, Valencia for 40c.

4795 **RUSSIAN STATICE.** Pkt., **10c.**

STATICE ☐

Culture: D or E (February-March)

Our annual Statice is not only a beautiful flower in the border, but dries retaining its true colors, which are rare among everlastings, and have come to be indispensable in making winter bouquets.

4800 **Bonduelli Superba.** 3 ft. Producing numerous heads of bright yellow flowers. Pkt., 10c.
4793 **Puberula.** 4-6 in. Flowers 5 months after sowing and bears magnificent dark violet blooms. It can be used for pots, boxes, beds also rock gardens. Turfy loam mixed with peat, and plenty of sand is the most suitable soil. Pkt., 25c.
4795 **Russian (Suworowii or Rat Tail).** 30 in. Flowers bright rose color. ¼ oz., 25c; pkt., 10c.
4801 **Sinuata Rosea Superba.** 3 ft. Pkt., 10c.
4806 **—New Hybrids.** One of our growers has selected Art Shades, which we offer in a mixture for the garden and winter bouquets. Pkt., 15c.
4803 **—True Blue (Kampf's Improved).** A dwarf form desirable for winter bouquets. Pkt., 15c
4804 **—Pure White.** 3 ft. Pkt., 10c.
4805 **—Mixed.** 3 ft. Pkt., 10c.

New Colors in Stocks or Gilliflower

Culture: A or B (March-April), D or E (Feb.-March)

STURDY flower spikes covered with rosette blossoms in soft colors of an exceptional tone range rise above the attractive dull or glossy foliage to a height varying in the different classes. Stocks require a rich soil of a sandy, well manured loam, mixed with compost, well rotted sod and plenty of well decayed manure. Only about 60 per cent of the flowers will come double, the rest are single. Sow seed early in the house and transplant outside when all danger of frost is over. Hot weather is responsible for the blind growth that so frequently disappoints out-door growers of this crop. Stocks are a cool temperature crop and that should explain why they sometimes disappoint us during the summer months.

4949 **STOCKS** Bismarck or Giant Imperial Mixed. Pkt., **15c.**

VIRGINIA STOCK

Culture: D or E (March-May)

5815 Mixed. □ 6 in. Sown early these pretty annuals are gay in the period between the spring and summer flowers, their fresh bright colors in edgings and beds producing a charming effect, very fragrant. ¼ lb., 75c; oz., 25c; ½ oz., 15c; pkt., 10c.

Dwarf Type

Dwarf bushes not over 8 inches in height, covered with bright flowers during the entire season.

5816 Innocence. Pure white.

5817 Crimson Gem. Crimson.

5818 Love. Bright rose.

Price, each of above: pkt., 15c; 3 pkts., 35c.

SUNFLOWER Helianthus □

Large Flowered Tall

Culture: A or B (March-June), D or E (March-April)

2700 Gaillardia-flowered or Red Sunflower. 4 to 8 ft. Some flowers of a rich chestnut-red, others tipped with yellow and others slightly washed with red. Oz., 50c; pkt., 10c.

2707 Californicus. 5 ft. Double dark yellow. Pkt., 10c.

2709 Chrysanthemum Flowered Double. 6 ft. Golden yellow flowers. Oz., 50c; pkt., 10c.

2704 Intermediate Sanguineus Excelsior. A hybrid of annuus purpureus and cucumerifolius; from the latter it secured its elegant growth, while the former furnished its fine red flowers. Pkt., 10c.

2722 Nanus Flore Pleno. 2½ ft. Double dwarf, beautiful for massing in beds. Pkt., 10c.

2725 Russian Mammoth. Single, of gigantic dimensions. Sow a few seeds in the corner of the garden and it will provide in late Summer a feeding table for a large number of birds. 1 oz., 5c.

2715 Double Mixed. Pkt., 10c.

Miniature-Flowered

2727 Cucumerifolius. 5 ft. Charming small flowers, rich golden yellow with black center. 10c.

2740 —Purpureus. Red and yellow tones. Pkt., 10c.

2755 —Vaughan's Special Mixture. Includes all the cucumerifolius sorts. ¼ oz., 20c; pkt., 10c.

2760 Vaughan's Special Mixture. Of all the single and double Sunflowers. ½ oz., 25c; pkt., 10c.

4775 SILENE Armeria Mixed. (Catchfly) 10c.

SNOW-ON-THE-MOUNTAIN—See Euphorbia Variegata.

Dwarf German —Ten Weeks

This class is a favorite for outdoor bedding. 12 in.

4830	White.	4841	Rose Pink.
4835	Canary Yellow.	4845	Crimson.
4856	Dark Blue.	4850	Light Blue.

Price, each of the above, ⅛ oz., 50c; pkt., 10c.

4865 Best Mixed. ⅛ oz., 50c; pkt., 10c.

Bismarck or Giant Imperial

If sufficient room is given, the plants develop to enormous dimensions, forming magnificent bushes with long and thick flower stalks. The best variety for greenhouse use. 2½ ft.

4925	Shasta. White.	4945	Blood-red.
4929	Old Rose.	4930	Lilac.
4947	Flesh.	4932	Lavender.
4948	Golden Rose.	4931	Dark Blue.
4946	Chamois.	4944	Elk's Pride.

Price, each of the above, ⅛ oz., 75c; pkt., 15c.

4949 Bismarck Mixed. ⅛ oz., 50c; pkt., 15c.

4972 White Wonder. A tall variety of Bismarck type in habit and season. The heads are very large and the individual flowers are closely set and of extraordinary size. ⅛ oz., $1.50; pkt., 35c.

Column—Non Branching

An excellent new class producing one stem of 2½ ft. long with a long spike of bloom, thickly set with large, double flowers. The first flowers appear when the plant is about 14 inches high.

4951	Chamois Pink.	4955	Rose.
4952	Crimson.	4956	Silvery Lilac.
4953	Dark Blue.	4957	White.
4954	Light Blue.	4958	Mixed.

Price, each of the above: Pkt. (150 seeds), 25c.

4970 STOCKS Vaughan's Special Mixture. Contains all the varieties listed and many others not catalogued. ⅛ oz., 50c; pkt. **15c**

THUNBERGIA (Golden Glory Vine)

Culture: D or E (March-April), A or B (May 15th) in Cold Frame or Greenhouse. Germination 3-4 Weeks

5640 Alata, Mixed (Black-Eyed Susan). □ = 5 ft. A lovely plant with large showy flowers. Forming a dense mat of foliage and flowers. Colors range through yellow, orange, buff, to pure white, mostly with jet-black centers, or eyes. ¼ oz., 30c; pkt., 10c.

5639 Gibsoni. A lovely new graceful climber for covering pillar and trellis work. It has glistening green ivy-shaped foliage and flowers of brilliant glowing orange. Pkt. (15 seeds) 35c.

5640 **THUNBERGIA** Alata Mixed. Pkt., **10c.**

5641 **TITHONIA** Pkt., **25c.**

TITHONIA □

Culture: D or E (February-March)

5641 Speciosa, Early Flowering (Golden Flower of the Incas). 8 ft. The flowers resemble a giant single zinnia of a vivid orange-scarlet; borne on huge bushes with woody stems, and large leaves with velvet bloom. From seed started in March plants in full sun will blossom in late August. Desirable as background in roomy borders 25c

5645 **TORENIA** Fournieri. Pkt., **15c.**

TORENIA □

Culture: D or E (February-April), A or B (May 15th)

In the 1936 drouth in the Middle-West torenias were among the comparatively few subjects which grew with vigor and flowered freely through the hottest, driest period in our trials.

5651 Baillonii. Yellow, brown markings. Pkt., 15c.

5645 Fournieri. + 10 in. Bushy globular plants literally covered with the lovely, richly-colored snapdragon-like flowers of a delightful sky-blue with a touch of gold on the lip. Likes partial shade. Excellent for rock gardens, pots and hanging baskets. Pkt., 15c.

5650 White wings. White with rose throat. Pkt., 15c.

TRACHELIUM

Culture: D or E (Jan.-March)

5656 Coeruleum. 1 to 3 ft. Large cloud-like heads of tiny flowers resembling the gypsophila produced in the fall from spring-sown seeds. Heliotrope blue in color, borne on branching stems freely, the flowers can be increased by pinching back the stems, making a fine pot plant. Pkt., 25c.

5655 TRITOMA Hybrida Mirabilis (Red Hot Poker Plant). Pkt., 15c

5706 **ROSEA STELLATA.** Pkt., **15c.** 5718 **LAVENDER GLORY.** Pkt., **15c.** 5701A **ETNA.** Pkt., **15c.** 5685 **MAYFLOWER.** Pkt., **10c**

Verbenas for Color-Scheme Bed, 45c.

5728 1 Pkt. Each of 4 Varieties Illustrated Above (4 Pkts. Value 55c), Prepaid for 45c.

Culture: D or E (Feb.-April) A or B (May 15th)—**For Cultural Instructions see page 87.**

MODERN verbenas excel in size and vivid coloring, without losing the qualities of vigor and free-flowering which endeared them to our grandmothers. As material for supplying desired color effects in beds or borders, they are in the front rank. The pinks are like those found in Trailing Arbutus; the purple is truly royal; the scarlet is like rich velvet; the white is as pure as snow; the blue and lavender tints are dainty; and besides the clear color varieties there are sorts with white and dark eyes, and others that are striped.

LARGE FLOWERED

5701 Gigantea Alba. Pure white. Very fragrant.

5699 —Appleblossom. Cameo pink.

5701A —Etna. Geranium-red, with a cream eye. Award of Merit at the Wisley, England, trials of Royal Horticultural Society.

5718 —Lavender Glory. A true lavender with a medium-sized creamy white eye. The color runs about 80% true. It is also distinctly fragrant.

5703 —Lucifer. Vivid scarlet-self.

5704 —Luminosa. Flame-pink shading to salmon.

5706 —Rosea Stellata. Rose-pink, white eye.

5719 —Royale. Royal blue with a creamy yellow eye. Highly recommended at the Wisley, England, trials of Royal Horticultural Society.

5709 —Spectrum Red. Bright red without an eye, comparable only to Etna, but without Etna's eye. Florets are one and one-fourth inches in diameter. Award of Merit at Wisley trials of Royal Horticultural Society. Pkt., 25c.

5717 —Sutton's Giant Pink. A fine salmon pink with a faint light eye.

5707 —Violacea Stellata. Deep violet, white eye.

Price, each of above, ⅛ oz., 40c; pkt., 15c; any 3 pkts., 35c.

5708 Gigantea Mixed. A wonderful mixture of large flowering varieties. ⅛ oz., 30c; pkt., 15c.

Hybrida Sorts

5666 Blue Shades.

5660 Defiance. An intense scarlet.

5668 Helen Willmott. Salmon-rose, white eye.

5670 Lutea. Yellow.

5685 Mayflower. Various shades of pink.

Price, each of above sorts, pkt., 10c; any 3 pkts., 25c.

See complete index, pages 114 and 115, to find items quickly.

5729 Red, White and Blue Mixture

A mixture of large flowered verbenas in which varieties which give the effect of red, white and blue are carefully blended in equal proportions. The effect is not only patriotic, but artistic. Pkt..... **25c**

5730 VERBENA **Vaughan's Best Mixture.** Includes all the Hybrida and Gigantea sorts and other sorts not listed and we feel perfectly safe in stating this mixture of Verbenas will eclipse every other strain offered by any other house, and it will produce flowers that will delight all beholders throughout the summer. 1 oz., $3.00; ⅛ oz., 50c; large pkt., 25c; pkt..... **15c**

5711 Beauty of Oxford Hybrids. A beautiful giant strain following closely the color of Beauty of Oxford, softened by salmon-pink from Luminosa which gives a lovely effect. The color shades from clear rose-pink to rose-red, making this the brightest rose Verbena ever produced from seed. They are half as large again as Beauty of Oxford and will easily cover a silver half dollar. The foliage is a dark cress green. ⅛ oz., 50c; pkt., 25c.

5712 Floradale Beauty. Special Mention All America Trials, 1937. Beauty of Oxford type of rose shades, salmon-rose predominating. Pkt., 25c.

Various Verbenas

Culture: D, E or C (Jan.-July)

5749 Canadensis. 6 to 18 in. A hardy perennial which can be grown as annual, flowering the first year from seed. Of spreading habit, with large tresses of flowers, ranging from light lavender to deep crimson and dark purple, produced through entire summer. Robust garden subject. Pkt., 15c.

5750 Citriodora (Lemon-Scented Verbena). +An old favorite with fragrant evergreen leaves. It is a low-growing tender plant and may be grown in the garden in summer and in pots in winter, and the leaves dried and laid among linens. Pkt., 10c.

5755 Erinoides. 12 in. This lovely variety produces a nest of moss-like foliage spreading over the ground like a carpet, above which are borne heads of purplish-blue blossoms in lavish profusion. Blooms until frost. Pkt., 10c.

5760 Erinoides Alba. 12 in. Same as above but with white flower heads. Pkt., 10c.

5765 Venosa. 1 ft. Largely used for bedding purposes; strong, thrifty grower, covered with bright rosy heliotrope flowers. Seeds are slow to germinate. Should be sown in the house before March. Blooms until frost, hardy with protection. Pkt., 10c.

5766 —Lilacina. 1 ft. Resembles the excellent venosa, vigorous and profuse in flowering, but with blossoms of a delicate lavender-blue. Hardy with protection. Pkt., 25c.

Dwarf Compact Varieties—6 in.

This group is very neat and compact in habit. They are continuous bloomers, particularly adapted for bedding, borders and small gardens.

5731 Blue with White Eye.

5732 Chamois. Pale chamois.

5736 Crimson Glow. A pure glowing crimson without an eye, first of this color in its class, rounding out the color range. The flower heads are produced freely on compact plants, with small leaves.

5733 Dark Blue. Almost a rich purple.

5735 Fireball. Bright scarlet blooms.

5738 Pink.

5740 White. Creamy white.

5745 Carmine Ball. A beautiful variety, similar in form to Fireball. It forms a perfectly symmetrical plant about 10 inches high and 12 inches across and is completely covered with bright carmine flowers.

5747 Splendor. Very compact, flowers of intense scarlet with white eye. Truly deserves its name.

Price, each of the above, pkt., 25c; any 3 for 65c.

5742 Violet Bouquet. Deep violet tinged with garnet, changing to deep violet as the flower gets older. The eye is cream, making a rich color combination. Highly commended at Wisley trials. Pkt., 25c.

5746 VERBENA **Vaughan's Special Dwarf Mixture.**

A formula mixture of named varieties of compact dwarf varieties of all colors, giving a brilliant effect in mass planting. Excellent for front yard and formal plantings. ⅛ oz., 50c; pkt..... **25c**

VINCA ROSEA (Periwinkle) +

Culture: D or E (February-May)

Ornamental free-blooming plants, with dark laurel-like foliage and handsome pink and white flowers. Seed germinates slowly but if sown early plants will bloom the first summer. They can be taken up in the fall, potted, and kept in bloom for the winter. 1 ft.

5770 White. **5772 White with Eye.**

5771 Delicata. Soft pink. **5773 Pink.**

Price, each of above, ⅛ oz., 25c; pkt., 10c; any 3 pkts., 25c.

5775 Mixed. ⅛ oz., 25c; pkt., 10c.

Small Flowered Zinnias

Culture: A or B (May 15th), D or E (March-April)—For Cultural Instructions, See Page 87.

6126 **ZINNIA,** Vaughan's Midget Mixt. **15c.**

Pumila Double 18 in.

"Cut and Come Again"

On bushy plants 18 inches tall, fully double flowers are borne in abundance. The flowers average two inches across, and are held above the foliage on stout stems. They make fine border plants, registering color well, or excellent plants for large pots and tubs. They are also fine cut flowers.

6080 **Snow Ball.**
6085 **Golden Ball.**
6095 **Fire Ball.**
6097 **Pinkie.**
6100 **Watermelon Pink.** A very pleasing and charming shade of salmon-rose.

Price, each of the above: ¼ oz , 25c; pkt., 10c.

6105 **Pumila Mixed.** Oz , 75c; ¼ oz., 25c; pkt., 10c

6110 **Red Riding-Hood.** 1 ft. Of compact form, covered the entire season with double scarlet flowers not over an inch across; as a border plant it is highly effective. A customer writes: "Just imagine clumps of little red flowers, with maybe a hundred blooms. They have been in flower all summer through the heat and drought. They make buds as soon as they get started and keep merrily on their way." Oz , $1.00; ¼ oz., 30c; pkt , 10c.

6110 **ZINNIA** Red Riding Hood. Pkt., **10c.**

THEY bloom in much greater profusion than the larger types, standing well out above the foliage and registering as a color mass in the picture. They are also excellent for pot plants and cut flowers.

6126 **Vaughan's Mixture of Midget Zinnias.** Single, double and semi-double flowers are produced in abundance. Rich in orange, red, maroon and yellow tones, some showing red tipped with gold, salmon and gold, pure gold and rich cream. In form, many would hardly be recognized as zinnias. They are wonderful material for decorations. ¼ oz., 50c; pkt., 15c.

Pompon (Lilliput) or Baby Zinnias

The plants form handsome little bushes and fairly bristle with tiny, short-stemmed, very double flowers hardly exceeding a daisy flower in size. They are very pretty plants; bloom all summer. 12 to 15 in.

6052 **Bright Pink.**
6061 **Crimson Gem.**
6062 **Golden Gem.**
6062A **Lilac Gem.**
6063 **Orange Gem.**
6065 **Salmon Rose Gem.**
6066 **Scarlet Gem.**
6067 **White Gem.**
6064 **Purple.**
6068 **Rose Bud.** New rose pink.
6069 **Valencia.** A real deep burnt orange.

Price, each of the above, ¼ oz., 30c; pkt., 10c.

6075 **Lilliput Mixed.** All the above and others. Oz., $1.00; ¼ oz., 30c; pkt., 10c.

6120 **Mexicana Fl. Pl.** 16 in. Double miniature Zinnia, flowers bright golden yellow, fine for edging. This plant deserves wide cultivation. ⅛ oz., 25c; pkt., 10c.

6125 **Mexicana Fl. Pl. Hybrids.** 16 in. Double flowers in various shades of brown and orange. ⅛ oz., 25c; pkt., 10c.

6115 **Mexicana or Miniature.** Flowers small and showy, daisy-like in form, range in color from yellow to mahogany red, free flowering. Excellent for decorative bowl arrangements. ⅛ oz., 25c; pkt., 10c.

Quilled Type

6158 **Achievement or Victory Mixed.** The petals are quilled, giving the appearance of a Cactus Dahlia in various shades of tan. Pkt., 15c.

Giant Picotee

6157 **Giant Picotee Mixed.** A distinct class with double flowers in orange, flesh, lemon, pink and cerise, each petal tipped with darker shades. Pkt., 15c.

6173 **Vaughan's Novelty Mixture.** All the new forms of the zinnia, such as the Cornucopia, Gaillardioides, and others. We recommend it to all interested in novelties. Pkt., 25c; 3 pkts., 65c.

See next page for other varieties of Zinnias.

6105 **ZINNIA** Pumila Double Mixed. Pkt., **10c.**

6159 **ZINNIA,** Scabiosa Flowered Mixed. Pkt., **25c.**

Scabiosa Flowered

6159 **Mixed.** 2½ ft. On a single corona of outside petals stands a semi-globular crown with a large number of small florets giving a most interesting effect, similar in form to the flowers of the Scabiosa. Pkt., 25c; 3 pkts., 65c.

6127 **ZINNIA** Linearis. Pkt., **20c.**

6127 **Linearis.** 10 in. This is a new midget, bearing single flowers of deep golden orange, with a contrasting yellow stripe. It is early flowering, and the plants may spread over two square feet without growing taller than 10 inches. Pkt., 20c.

6065 **ZINNIA** Lilliput Salmon Rose Gem. Pkt , **10c.**

Garden of Giant Zinnias

6 PACKETS, CATALOG VALUE 90c. All Dahlia flowered. One each of Crimson Monarch, Dream, Polar Bear, Illumination, Old Gold and Eldorado. 50c

Culture: A or B (May 15th), D or E (March-April)

Dahlia Flowered Zinnias 3 to 4 ft.

The broad petals are closely imbricated, sometimes seeming almost to be piled one upon the other, the flowers often 4 inches in depth and 6 inches in diameter, resembling Show Dahlias.

6132 **Buttercup.** An immense deep creamy yellow.

6131 **Canary Bird.** A delicate shade of primrose.

6133 **Crimson Monarch.** Rich crimson. Largest and best of red shades.

6133A **Crown O'Gold.** Each petal is overlaid with a deep golden yellow at the base, while carrying out the individual flower color at the tip. The color range comprises old rose, cream, yellow, carmine and burnished red—a new shade in Zinnias. Varies.

6134 **Dream.** A fine, deep lavender, turning to purple (Mallow Purple).

6134A **Eldorado.** Rose on deep salmon.

6135 **Exquisite.** Color light rose with center a deep rose. (Tyrian Rose.)

6135A **Giant Attraction.** Brick red.

6137 **Golden Dawn.** This beautiful shade of golden-yellow with red center.

6136 **Golden State.** A very rich orange-yellow (Cadmium). Yellow in the bud, turning to an attractive orange when in full bloom.

6145 **ZINNIAS** Dahlia Flowered. Mixed. Pkt., **15c.**

DAHLIA FLOWERED—Continued

6130 **Illumination.** Similar to Exquisite, but a striking self-color of deep rose.

6130A **Luminosa.** Bright deep pink.

6142 **Meteor.** A rich glowing deep red, darkest of all red shades.

6129 **Old Gold.** Glowing burnished deep and lighter shades of old gold.

6129A **Old Rose.** Real old rose shade.

6138 **Oriole.** An immense orange and gold bicolor.

6139 **Polar Bear.** A very large pure white, the best white yet.

6139A **Purple Prince.** Deep purple.

6140 **Scarlet Flame.** A large, beautiful, bright scarlet, with a delightful blending of orange throughout the petal. This is not a bicolor.

Price, each of above: ¼ oz., 50c; pkt.... 15c

6145 **ZINNIAS** Dahlia Flowered Mixed. All the above and others, including a bewildering variety of delightful colors, all giant flowers. A very charming and delightful surprise will result if you plant this. Oz., $1.50; ¼ oz., 50c; pkt., 15c.

6170 **ZINNIAS** Vaughan's Special Mixture of all Giant sorts including the cream of the Dahlia Flowered, Colossal, California Giants and Picotee mixed. This will produce a mass of color and will make a corner gay in the garden. Oz., $1.50; ¼ oz., 50c; pkt.. **25c**

California Giant Zinnias 3 to 4 ft.

They are larger than Colossal and a cross between them and the Dahlia Flowered types. They have smaller flat centers with more loosely placed petals. The petals are decidedly imbricated and the flower graceful

6161 **Brightness.** A bright, deep rose.

6164 **Cerise Queen.** Beautiful cerise rose.

6161A **Daffodil.** Bright canary-yellow, so resembling Narcissus King Alfred in color, the name Daffodil is most appropriate.

6162 **Enchantress.** Giant flowers of light rose pink, early.

6146 **Grenadier.** A very dark red.

6168 **Isabellina.** A beautiful cream-yellow.

6147 **Lavender Gem.** A good clear lavender.

6150 **Lemon Queen.** The petals are light canary on the upper and cerise on the lower side. It is the only Zinnia with fragrance and of exceptional size.

6163 **Miss Willmott.** Soft pink.

6151 **Orange King.** Rich, deep orange.

6167 **Pink Profusion.** Delicate shrimp pink.

6153 **Purity.** A clean pure white.

6166 **Rose Queen.** Warm, deep rose, outstanding.

6165 **Scarlet Queen.**

6149 **Violet Queen.** Violet.

Price, each of the above, ¼ oz., 50c; pkt., 15c; any 4 pkts. for 50c.

6156 **California Giants Mixed.** Oz., $1.50; ¼ oz., 50c; pkt., 15c.

Colossal or Giant 3 ft.

The flowers are of enormous size, thickly set with velvety petals.

5926 **Blood Red.**

5937 **Bright Rose.**

5976 **Burnt Orange.**

5935 **Buttercup.**

5930 **Cream.**

5977 **Crimson.**

5965 **Golden Yellow.**

5978 **Lavender.**

5975 **Orange.**

5943 **Rose Queen.**

5990 **Royal Purple.**

5960 **Pink Shades.**

5944 **Salmon Rose.**

5980 **Scarlet.**

5985 **Violet.**

5925 **White.**

Price, each of the above: Oz., $1.00; ¼ oz., 30c; pkt., 10c; any 3 pkts. for 25c.

6015 **Vaughan's Colossal Zinnias, Mixed.** Oz., $1.00; ¼ oz., 30c; pkt., 10c.

5909 **ZINNIA** Fantasy, Star Dust. Pkt., **25c.**
5908 **ZINNIA** Fantasy, Mixture. Pkt., **25c.**

Fantasy — A New Type

5909 **"Star Dust."** 2½-3 ft. This deep golden-yellow selection of the Fantasy strain will be welcome to those who believe that yellow is the best zinnia color. Fantasy type flowers have shaggy, ray-like petals, recalling the cactus dahlias. They are of medium size and flower in 45 to 50 days from sowing. Pkt., 25c.

5908 **Mixture.** Flowers in this new Fantasy Mixture are composed of a mass of shaggy, ray-like petals which give a delicate and refined appearance to the medium sized double blossoms. They lend themselves gracefully to flower arrangement. The color range includes the brightest shades of reds and orange, as well as the popular pastel pinks and cream. Pkt., 25c; 3 pkts., 65c.

6150 **FRAGRANT ZINNIA** Lemon Queen. Pkt., **15c.**

5813 **VIOLA** Vaughan's Improved Scotch Mixed. **25c.**

Free Flowering Violas □

Culture: A or B (March-April)

BECAUSE of their free flowering habit and long season of bloom, Violas are becoming rapidly more popular for use in the foreground of the border, in small beds, and in rockeries where their dwarf spreading habit is welcomed. They continue flowering all summer.

CORNUTA TYPE

5785 Admiration. Violet-blue.
5790 Blue Perfection. Light blue.
5804 Chantreyland. Apricot, very free flowering. Pkt., 25c.
5793 G. Wermig. Resembles large violet. Pkt., 25c.
5794 G. Wermig, White.
5809 Ilona. Wine red. Pkt., 25c.
5796 Jersey Gem. Flowers of rich pure violet, large and fragrant, flowering persistently all summer. Pkt., 25c.
5799 Mauve Queen. Violet-mauve.
5800 Papilio. Flowers soft lavender-purple, lower petals flushed white.
5802 Puck. Upper petals purple-velvet, lower clear yellow. Pkt., 15c.
5805 Violette. Rich violet, early, free flowering. Pkt., 25c.
5806 White Perfection. Finest white.

Any of above, pkt., 10c., except where noted.

5807 W. H. Woodgate. In habit the plant is compact and the color is of intense blue, bluest of all. Comes true from seed. Pkt., 25c.

5814 Cornuta Small Flowered Type, Mixed. ⅛ oz., 35c; pkt., 10c.

5813 VIOLA Vaughan's Improved Scotch. A charming and delightful mixture of these bright and ever-blooming Violas in a complete color range, shading from pale lavender to rich purple-black yellow, white, terra-cotta, apricot and rose. Pkt..... **25c**

CORNUTA HYBRIDS (Large Flowers)

5786 Apricot. Beautiful rich apricot shade, tinged orange towards the center. Pkt., 25c.
5787 Arkwright Ruby. Bright ruby crimson shaded terra cotta; fragrant. Pkt., 25c.
5788 Black Prince. 8 in. Velvety black. Pkt., 10c
5789 Blue Butterfly. Vivid mid-blue shading to white in the upper petals. Pkt., 25c.
5801 Primrose Dame. Sulphur yellow. Pkt., 15c

Miscellaneous Violas

5797 Johnny-Jump-Up or Viola Tricolor. The plants are easily raised from seed, come into bloom very quickly, and their little pansy faces of purple, blue and yellow are delightful. Perfectly hardy and will reseed itself. Pkt., 25c.
5798 Lutea Splendens. 8 in. Bright yellow. 10c
5792 Gracilis—Lord Nelson. 6 in. Glowing violet purple. Pkt., 25c.
5810 Primrose Perfection. Beautiful shade of primrose, fine form. Pkt., 25c.

WILD CUCUMBER

Culture: A or B (March-June), D or E

5847 Echinocystis Lobata. □ = Quickest growing climber on our list. It is thickly dotted over with white fragrant flowers, followed by an abundance of ornamental and prickly seed pods. Sown on banks it will act as soil binder. 1 oz, 25c; ¼ oz., 15c; pkt., 10c.

5657 URSINIA Anethoides. Orange - yellow. Pkt., 25c.
5657A —Choice New Hybrids Mixed. Pkt., 25c.
5845 WHITLAVIA Gloxinioides Blue (California Canterbury Bells). Pkt., 10c.

VENIDIUM □

Culture: D or E (February-March)

5659 Calendulaceum. 14 in. A strong growing, bushy plant with large, brilliant, orange colored, daisy-like flowers with a paler zone around the central dark disc. The fine silver-greyish foliage adds to its beauty. Grows on dry side without fertilizer. Pkt., 15c.

5658 Fastuosum. 2 to 3 ft. Above the greyish silky foliage rise numerous orange flowers marked with a purple-black zone averaging four to five inches across. Treat as a half-hardy annual, sowing in March or April, as germination is difficult earlier. Plant in sunny position. Pkt., 25c.

5658A Fastuosum Hybrids. 2-3 ft. A new race with a remarkable range of colors, from pure white through ivory, yellow and buff, set off by glistening black centers with maroon markings at base of petals. Germinate and grow more vigorously than original. Pkt., 25c.

5658A **VENIDIUM** Fastuosum Hybrids. Pkt., **25c.**

VISCARIA □

Culture: D or E (February-March)

Very showy and effective garden annual, producing freely throughout the summer large single flowers in red, white and blue shades. Very bright and effective for beds and useful for cutting.

5782 Blue Pearl. This is a distinct variety, differing from all other blue viscarias, and entirely without an "eye." It is a pure lavender blue, the flowers borne in abundance on tidy, erect plants. Pkt., 15c.

5780 Rose Beauty. 18 in. Tall for its family, it bears flowers of deep rose with fringed and laciniated petals, on long, strong stems. Erect habit. Pkt., 15c.

5776 Blue Bouquet. 1 ft. Large blue. Pkt., 25c.
5777 Cardinalis. 1 ft. Bright carmine. Pkt., 10c.
5778 Mixed. 1 ft. ¼ oz., 25c; pkt., 10c.
5779 Dwarf Mixed. 8 in. ⅛ oz., 25c; pkt., 10c.

6175 ZEA Japonica Quadricolor Perfecta (Rainbow Corn). Oz., 25c; pkt., 10c.

WALLFLOWER (Goldlack) ÷

Culture: D or E (Feb.-March)

Wallflowers should be better known because of their adaptability for pot culture and out-door bedding and the peculiar sweet fragrance of their flowers. The oriental coloring of the flowers in rich reds and yellows is very effective. They are easily grown and last long as cut flowers. In the Northern states they should be wintered in cold frames. 18 inches.

5820 Single Mixed. Pkt., 10c.
5825 —Annual Blood-Red. Pkt., 10c.
5824 —Goliath. Shining red with a velvety black sheen. Pkt., 10c.
5830 —Annual Golden Gem. Pkt., 10c.
5835 —Annual Mixed. Pkt., 10c.
5840 Double Mixed. Pkt., 15c.
5832 Annual Double. This was developed by crossing the perennial double with the early annual and should thrive and bloom profusely in warm and dry countries where only the early annual singles are successfully cultivated. A fine pot plant and if sown early will bloom first year from seed. Pkt., 15c.

XERANTHEMUM (Everlasting)

Culture: D or E (March-May)

5849 Double Mixed. □ 2 ft. Bright and pretty "Everlasting" with silvery foliage and silky flowers in pink, white and purple. Pkt., 10c.

5782 **VISCARIA** Blue Pearl. Pkt., **15c.**

See Complete Index, Pages 114 and 115, to Find Items Quickly.

Plants of New Perennials

RED COLUMBINE

Crimson Star. A new shade in long spurred Columbines, brilliant dark crimson. **Plants**, each, 35c; 3 for $1.00; doz., $3.50.

IMPROVED HARDY ASTERS

Charles Wilson. Brilliant red flowers of good size cover the plant, which grows 3 feet tall. **Plants**, each, 50c; 3 for $1.25; doz., $4.00.

Skylands Queen. 3 ft. Immense pale blue flowers with bright yellow centers. In bloom longer than most asters, extremely showy. **Plants**, each, 50c; 3 for $1.25; doz., $4.00.

Frikarti (Wonder of Stafa). Amellus type, blue. No words can describe this famous and valuable variety. **Plants**, each, 75c.

FRAGRANT COREOPSIS

Golden Giant. A new Coreopsis developed in California. Large flowers of deep color and decidedly fragrant. Blooms freely and continuously. This is a great improvement over the ordinary variety **Plants**, 45c each; 3 for $1.25; doz., $4.00.

CHRYSANTHEMUM CHIFFON.

NEW SHASTA DAISIES

Chrysanthemum Chiffon. 2 ft. The flowers, 2 ins. across, have fringed and lacinated petals, interlaced, which are borne on strong stems, in bushy plants The flowering period lasts all summer. An outstanding novelty. **Plants**, each, 45c; 3 for $1.25; doz., $4.00.

Maximum Double Mixture. Massive doubles and semi-doubles selected by us from many seedlings of new hybrid strains. **Plants**, each, 65c; 3 for $1.50; doz., $5.00.

Erubescens. Entirely new hardy perennial. Pale pink, daisy-like blooms, 2 inch diameter, in great clusters. September-October. **Plants**, each, 50c; 3 for $1.50; doz., $5.00.

WORLD'S BEST DELPHINIUMS

New Pacific Hybrids. (Vetterle and Reinelt.) Strains of blue and white delphiniums produced by scientific breeding in California; have been pronounced by competent judges to be the finest in the world. We have a limited supply of plants of these colors.

Giant Blues. Individual flowers are two inches in diameter, spikes 2½ to 5 ft. in length, of finely balanced tapering type, wide at the base. They have thin woody stems so they stand up without staking and are heavy bearing and mildew resistant. The flowers are well spaced and of good texture; plants have branching habit of growth. **Plants**, each, 65c; 3 for $1.50; 12 for $5.00.

White. The white strain of Pacific hybrids have the same wiry stems, with the largest flowers and longest flowering spikes we have seen in any white strain. **Plants**, each, 65c; 3 for $1.50; 12 for $5.00.

FINE BLUE DAISY (ERIGERON)

Amos Perry. (New.) 2 ft. Fine compact plant with large double blue daisy-like flowers. A fine cut flower, blooming all summer. Needs covering over winter. **Plants**, each, 60c; 3 for $1.50; doz., $5.00.

ARISTOCRATIC SUNFLOWER

Heliopsis Double Lemoine. Large, orange-yellow semi-double flowers in profusion. Blooms from July till frost. Fine cut flower. **Plants**, each, 40c; 3 for $1.00; doz., $3.50.

BEST OF NEW HEMEROCALLIS

Cinnabar. July-August. Light bronzy red suffused with gold, yellow throat. **Plants**, each, $1.25.

Hyperion. July-August. Large citron yellow. Outstanding. **Plants**, each, $1.00.

J. A. Crawford. June-July. Apricot yellow, shaded cadmium. Very fine. **Plants**, each, 65c.

Margaret Perry. July. Scarlet orange. Center of petals suffused yellow. Quite scarce. **Plants**, each, $1 50.

Mikado. June. Large deep orange with maroon transverse blotches on three petals. One of the best. **Plants**, each, $2.00.

DWARF KANSAS GAY FEATHER

Liatris Spicata Pumila. (Kansas Gay Feather) A new garden variety of dwarf habit, rarely exceeding two feet. The flowers are large and spaced like those of Pycnostachya, and stand without staking. **Plants**, each, 75c.

NEW HARDY GYPSOPHILAS

Bodgeri. A dwarf type of the well known double white Baby Breath. Blooms practically all summer. **Plants**, each, 45c; 3 for $1.25; doz., $4 00.

Oldhamiana. A new pale pink variety. Tall, erect, bushy growth, large single flowers in August. **Plants**, each, 35c; 3 for $1.00; doz., $3.50.

Rosenschleier. (Rosy Veil.) A dwarf double pink variety giving two crops of bloom. **Plants**, each, 50c; 3 for $1.50; doz., $5.00.

CHOICE ORIENTAL POPPIES IN BETTER COLORS

Lulu A. Neeley. Rich ox-blood red. **Plants**, each, 50c; doz., $5.00.

Perry's White. Satiny white, maroon blotch. **Plants**, each, 50c; doz., $5.00.

Wuerttembergia. Largest of all. Rose red. **Plants**, each, 50c; doz., $5.00.

GAILLARDIA SUN GOD.

FIRST YELLOW GAILLARDIA

Sun God. Pure chamois yellow, blossoms from June till frost. Erect growth, stiff stems and extra large flowers of glistening appearance. Wonderful cut flower. **Plants**, each, 50c; 3 for $1.50: doz., $5.00

BUDDLEIA FORTUNE.

NEW COLORS IN BUDDLEIA

Charming. A new pink, fast growing and free flowering. **Plants**, each, 75c.

Fortune. 3-6 ft. July-September. Patented. Deep lilac-pink, blooms very large in great profusion. Strong pot plants. Each, $1.00.

A RARE PERENNIAL

Poterium Obtusum. (Japanese Burnet.) A rare perennial. Graceful pinnate foliage and catkin-like crimson flowers two inches long. **Plants**, each, 65c.

YELLOW PRIMULA

Veris Kleynii. Heavy stems, average length 8 to 12 inches, carrying immense heads of 15 to 25 florets, each floret 1 to 1½ in. in diameter, rich golden yellow shaded apricot towards center. **Plants**, each, 35c; 3 for $1.00; doz., $3.50.

EUROPEAN SPIDERWORT

Tradescantia. New European introductions, grass-like foliage. Very hardy.

Heavenly Blue. Dark blue. **Plants**, each, 35c.

Leonora. Pale blue. **Plants**, each, 35c.

BETTER RED HOT POKERS

Tritoma. Newest varieties, blooming from August till killing frosts.

Mount Etna. Gigantic spikes of fiery red. **Plants**, each, 60c; 3 for $1.50; doz., $5 00.

Tower of Gold. Delightful golden yellow. **Plants**, each, 50c; 3 for $1.25; doz., $4.00.

ADDITION TO ROCK GARDEN

Tunica Saxifraga Fl. Pl. Grassy foliage four inches tall bearing three crops of double pale pink blossoms resembling baby's breath. **Plants**, each 30c; 3 for 85c; doz., $2.50.

GARDEN VIOLETS

×**Double Russian.** The true hardy double violet. Very double, dark purple flowers, intensely fragrant. Plant in shade and mulch. **Plants**, each, 35c; 3 for $1.00; doz., $3.50.

×**Rosina. New.** This charming variety has an abundance of very fragrant, rose pink flowers. It also blooms more freely in Autumn than other varieties; very often it will bloom all October. Extremely hardy and a gem for the shady corner. **Plants**, each 35c; 3 for $1 00; doz . $3 50

7012 **ACHILLEA** Perry's White. Pkt., **25c.** Plants, 3 for **85c.**

ACHILLEA (Milfoil. Yarrow)

Culture: B (Feb. to July 15th), D or E (March-July)
Achilleas grow readily from seed in sunny, well-drained positions, except the varieties marked X, which should have rock garden conditions. They are fine border flowers and several are excellent for cutting.

7007 X Ageratum. 1 to 2 ft. A pretty alpine of compact habit, with leaves like Ageratum. Yellow, sweet-scented. Pkt., 15c.

7008 Eupatorium Filipendula, Parker's Variety. 3 to 5 ft. June-Sept. Clear yellow flower-heads. May be dried for winter bouquets. Pkt., 15c.

7009A Millefolium Cerise Queen. Dark cherry red. Pkt., 25c.

7009 —Kelwayi. 2 ft. Carmine rose. Pkt., 35c.

Crimson Beauty. 2 ft. A great improvement over Millefolium Kelwayi. Dark rose, free flowering. Plants, 3 for 85c; doz., $2.50.

7010 The Pearl. 2 ft. June to August. Pure white, double flowers, fine for cutting. Pkt., 15c; Plants, 3 for 85c; doz., $2.50.

7012 Perry's White. 2 ft. Improved "The Pearl," larger and more double. Pkt., 25c. Plants, 3 for 85c; doz., $2.50.

7013 X Tomentosa Aurea. 8-10 in. A woolly carpet-like plant for rockeries. Pkt., 15c.

ACAENA X

Culture: D or E (April-May); A or B (May-June)
Dwarf, spreading perennial with inconspicuous green flowers and showy crimson spines. 2 in.

7002 Glauca. Silvery blue foliage. Pkt., 25c.

7003 Microphylla. Leaves pale green. Pkt., 25c.

7030 ADLUMIA Cirrhosa (Alleghany Vine). 15 ft. June. Pink flowers, fern-like foliage. Pkt., 10c.

7037 X AETHIONEMA Cordifolium (Lebanon Candytuft). 6-8 in. June. Rosy-lilac. Pkt., 50c.

AGATHEA *Culture: D, E or C (Jan.-July)*

7040 Coelestis (Blue Daisy). 1½ ft. June. Flowers sky-blue with yellow disk. Useful in the border, for bedding and as a pot plant; half hardy. Pkt., 10c

7114 **ANTHEMIS** Perry's Variety. Pkt., **25c.** Plants, 3 for **85c.**

Perennial Seeds

and Plants

All Plants are F. O. B. Western Springs, Ill.

Plants by Parcel Post

If to be sent by parcel post, add postage as follows: Single plants, **5c**; 3 plants, **10c**; 6 plants, **15c**; 12 plants, **25c.** We accept no responsibility for delays or conditions that may prove injurious to the contents.

Plants by Express

We recommend this mode of transit where quantities are 12 plants or over. We pack carefully, but accept no responsibility for delays over which we have no control that may cause injury to the contents.

ACONITUM (Monkshood)

Culture: C (Nov.-June)
Aconitums need rich, acid soil and prefer shade. Seed may be sown in the fall, as it germinates slowly. They should not be moved when once established, and require a mulch in winter. They are valuable for their rich blues, among the few true blues found in flowers. The roots are poisonous.

7015 Fischeri. 2 ft. September. Dwarf, dark blue, hardiest of all. Pkt., 15c.

7020 Napellus. 3-4 ft. July-August. Upright spike of dark blue flowers. Pkt., 15c.

7025 Wilsoni. 4-6 ft. Sept.-Oct. Tall, autumn flowering, mauve, fine for cutting. Pkt., 15c.

7055 **ALYSSUM** Saxatile. Pkt., **10c.** Plants, 3 for **85c.**

ALYSSUM (Madwort)

Culture: B (Feb. to July 15th), D or E (Mar.-July)
Showy free flowering spring-blooming plants, valuable for front row in border or rock garden.

7054 X Argenteum. 1 ft. Dwarf, yellow flowers, leaves silvery underneath. Pkt., 10c.

7055 X Saxatile Compactum (Basket of Gold). 9 in. May-June. Masses of golden flowers very early. Pkt., 10c. Plants, 3 for 85c; doz., $2.50.

7056 X—Compactum Sulphureum. Pale lemon-colored flowers. Pkt., 15c.

7058 Rostratum. 20 inches. Flowers deep yellow in dense heads. Pkt., 25c.

7059 X Serpyllifolium (Thyme leaved). 3-4 in. Gray leaves, pale yellow flowers, excellent for dry sunny positions. Pkt., 15c.

ANTHEMIS (Marguerite)

Culture: B (Feb. to July 15th), D or E (Mar.-July)
Free-flowering perennials with attractive cut foliage and large daisy-like flowers. Need full sun.

7110 Kelwayi. 2 ft. Daisy-like lemon-yellow blossoms, all summer. Excellent for cutting. Pkt., 10c.

7111 —Alba. 3 ft. Hardy white Marguerite. 15c.

7113 X Montana. 9 in. Silvery tufted foliage with white flowers. April to July. Pkt., 15c.

7115 Tinctoria. 2-3 ft. Bright yellow shading to white. June-Oct. Pkt., 10c.

7114 Tinctoria, Perry's Variety. 2 ft. Large lemon-yellow daisies, in bloom all summer. Pkt., 25c. Plants, 3 for 85c; doz., $2.50.

7073 **ANCHUSA** Myosotidiflora. Pkt., **35c.** Plants, 3 for **85c.**

ANCHUSA (African Forget-me-not)

Culture: B (Feb. to July 15th), D or E (March-July)
The tall varieties are among the few good border subjects with blue flowers.

7070 Italica, Dropmore Variety. 5 ft. June-July. Gentian-blue flowers. Thrives best in partial shade. Pkt., 15c. Plants, 3 for 85c; doz., $2.50.

7069 —Lisadell. 6 ft. Large, gentian-blue. Pkt., 25c.

7072 —Opal. 3-5 ft. June-July. Light blue. Pkt., 15c.

7071—Dwarf Dropmore. This dwarf variety is of a much less spreading habit than either the Dropmore or Lisadell varieties and bears larger flowers of a brighter blue. Pkt., 25c.

7073 X Myosotidiflora (The Forget-me-not Anchusa). 1 ft. April-May. A lovely spring perennial which blossoms with the late tulips, forming a mound of attractive foliage almost hidden by pale blue forget-me-not blossoms held above the foliage on straight stems. Germination is slow and fall sowing in an open seed bed gets good results. Pkt. (50 seeds), 35c. Plants, 3 for 85c; doz, $2.50

7052 ALSTROEMERIA Aurantica. 3 ft. Orange and red. Pkt., 25c.

ARABIS (Rock Cress)

Culture: B (Feb. to July 15th), D or E (Mar.-July)
Spreading dwarf, spring-flowering plants. They do well in any soil, but need plenty of sun.

7195 X Alpina. 1 ft. April. Pure white flowers. Pkt., 10c. Plants, 3 for 85c; doz., $2.50.

7197 X—Rosea. 1 ft. May. Compact rosettes of foliage and pink flowers. Pkt., 35c.

7196 X—Compacta. 9 in. May. Compact growing type, white flower. Pkt., 15c.

7198 X—Grandiflora Superba. 1 ft. May. Large flowered white variety. Pkt., 15c.

7199 Billiardieri Rosea. 9 in. Pink. Pkt., 25c

7195 **ARABIS** Alpina. Pkt., **10c.** Plants, 3 for **85c.**

Showy Flowered Anemones

ANEMONE Japonica. Plants, 3 for **$1.00.**

Japanese Anemone Collection No. 72
One plant each of 4 varieties, our selection, for $1.20.

7116 X **ANTIRRHINUM Asarina.** 6 in. July. Creeping snapdragon. Cream. Pkt., 25c.

7219 X **ARENARIA Montana.** 6 in. Silvery white flowers. Pkt., 25c.

ANEMONE (Windflower)

Culture: B (Feb. to July 15th), C (April-July), D or E (Mar.-July)

This interesting family furnishes a remarkable variety of showy garden subjects. Seeds germinate slowly. Some varieties flower in the spring; and the Japanese anemones are among the most beautiful of fall flowering perennials.

7075 X **Coronaria (Poppy Anemone).** Mixed colors. Early spring-June. 6-12 in. Pkt., 10c.

7074 **—Blue.** Pkt., 25c.

7080 X **—St. Brigid's Strain.** May-June. Double and single mixed. 12 in. A beautiful selection in a wonderful array of color Pkt., 20c.

7077 **—His Excellency.** Large single scarlet. 25c.

7078 **—The Governor.** Double scarlet. Pkt., 25c.

7090 X **Pulsatilla (Pasque Flower).** 1 ft. April-May. Flowers varying from lilac to purple. Should not be disturbed for several years. Pkt., 10c.

7095 X **Pulsatilla Rubra.** 6 to 9 in. April-May. Dark red, erect flowers. Pkt., 15c.

7100 X **Sylvestris (Snowdrop Windflower).** 1 to 1½ ft. Large, nodding, sweet-scented white flowers, tinged lavender. April-May. Pkt., 15c.

ANEMONE (Japanese Windflower). 2 to 3 ft. Bloom freely from late August till severe frosts. One of the most important fall garden plants. They prefer shade, moisture, a fertile and well drained location. Protect in winter. When once established they should not be disturbed.

Japonica Alba. White, yellow center.
—Alice. Silvery pink.
Hupehensis. Rose-pink.
—Queen Charlotte. La France pink, semi-double.
—September Charm. Earliest of all.
—Whirlwind. Full double white.

Plants, any of above Anemone Japonica, 3 for $1.00; doz., $3.50; 100, $25.00.

Hardy Asters (Michaelmas Daisies)

Culture: B (Feb. to July 15th), D or E (Mar.-July)

Native in this country, the hardy asters have been developed abroad to become the chief reliance of British gardens for early fall color. They are even more successful with us, producing masses of lavender, pink or white blossoms up until November, at a season when other flowers are scarce.

DWARF ALPINES

7226 X **Alpinus Goliath.** 6 to 10 inches. May-June. Large showy bluish-purple flowers with yellow center. Pkt., 20c.

7226A **—Dark Beauty.** 1 ft. Deep blue. Pkt., 25c.

7227 X **—Nixe.** Light blue. 12 in. Pkt., 15c.

7227A X **—Mixed.** 5 to 10 inches. May-June. Large lavender-blue and white flowers. Pkt., 25c. **Plants,** 3 for 85c; doz., $2.50.

THE NEW DWARF ASTERS

Extremly showy in full bloom and a welcome addition.

X **Countess of Dudley.** 1 ft. Oct. Charming clear pink flowers with yellow eye.

X **Marjorie.** 9 in. Oct. A charming plant of compact habit, large flowers, bright rose-pink.

X **Nancy.** 9 in. Sept. Dwarf, bushy free flowering, flesh pink.

X **Victor.** 6 in. Sept. The flowers are of good size and of a beautiful clear pale lavender-blue.

X **Snowsprite.** 6 in. Sept. Very dwarf growth hidden by a solid mass of white bloom.

Price, any of above New Dwarf Asters: **Plants,** each 40c; 3 for $1.00; doz., $3.50.

7224 **Amellus Hybridus.** 2½ ft. New named varieties, finest mixed. Pkt., 25c.
For other Asters, See also Page 71.

7224A **Amellus Beauty of Ronsdorf.** 2 ft. Aug.-Sept. Large lilac-rose flowers in great profusion; plants branching freely. Pkt., 25c.

7223A **—Roseus.** 20 in. Very like the Beauty of Ronsdorf, but a clear rose. Pkt., 25c.

7229 **Farreri.** June-July. Soft violet-mauve, with large orange center, flowers 2 to 3 inches across. Blooms in June and July. Pkt., 25c.

7228A **Star of Eisenach. (Wartburg Star)** May. A new giant flowered variety of the subcoeruleus type. Bright lavender-blue Marguerites with yellow centers measuring more than four inches across. Pkt., 25c. Plants, 3 for $1.25; doz., $4.00.

7229A **Yunnanensis.** June. Brilliant lilac-blue with yellow disk. Pkt., 35c.

7225 **Perennial, Large-Flowering Mixed.** 3-5 ft. Sept.-Oct. Various shades of blue. Pkt., 25c.

MICHAELMAS DAISIES

Of great hardiness, producing a wealth of bloom in September.

Abendrothe. 4 ft. Lavender-rose. **Plants,** 3 for 85c; doz., $2.50.

Amethyst. 3 ft. Dark lavender blue. **Plants,** 3 for $1.00; doz., $3.50.

Climax. 5 ft. Pyramidal spikes of large, light lavender-blue flowers with gold centers. **Plants,** 3 for 85c; doz., $2.50.

Hybridus Luteus (Solidago). 2½ ft. Myriads of small pale yellow blooms. **Plants,** 3 for 85c; doz., $2.50.

Japanese Double White. 2 ft. A profusion of very double creamy-white flowers from August till frost. **Plants,** 3 for $1.00; doz., $3.50.

Red Rover. 3-4 ft. Deep rosy red with golden center. Compact habit and free blooming. **Plants,** 3 for 85c; doz., $2.50.

Snowdrift. 3 ft. Pure white blooms, stocky growth. **Plants,** 3 for 85c; doz., $2.50.
For other Asters, See also Page 71.

ASCLEPIAS (Butterfly Weed)

Culture: B (Feb. to July 15th), D or E (Mar.-July)

7220 **Tuberosa.** 2 ft. One of the showiest of our native perennials, producing from July until frost brilliant orange flowers with purplish stems and hairy leaves. Pkt., 15c. **Plants,** 3 for 85c.

7219A X **ARNICA Montana (Mountain Tobacco).** 1 ft. Yellow. July. Tufted Pkt., 15c.

7222 X **ASPERULA Odorata.** 8 in. (Woodruff.) 10c.

7217 **ARMERIA** Bee's Ruby. Pkt., **25c.** Plants, 3 for **85c.**

ARMERIA (Thrift, Sea Pink)

Culture: B (Feb. to July 15th), D or E (Mar.-July)

Dwarf-growing perennials with grassy leaves and a tufted habit of growth. The flowers are borne in globular heads during May and July, and the plants are suitable for edgings to borders.

7205 X **Alpina.** 1 ft. July. Deep rose. Pkt., 10c.

7217 X **Bee's Ruby.** A giant flowered type with deep glowing ruby blooms on stout 12-inch stems. Pkt., 25c. **Plants,** 3 for 85c; doz., $2.50.

7211 X **Formosa Hybrida.** 24 in. Shades of pink. Blooms early summer. Pkt., 15c.

7218 X **Laucheana.** 6 in. June-Aug. Crimson. Pkt., 10c. **Plants,** 3 for 85c; doz., $2.50.

AUBRIETIA

Culture: B (Feb. to July 15th), D or E (Mar.-July)

One of the daintiest and most delicately beautiful of all dwarf creeping plants for carpeting beds or rockeries, forming brilliant sheets of blue, crimson or rose for many weeks. A gem for planting in crevices of rocks or wall, forming a cataract of color. 6 in.

7231 X **Bougainvillei.** Light violet purple. Pkt., 25c.

7231B **Eyrii.** Fine large blue. Pkt., 25c.

7232 X **Graeca.** Light blue, dwarf. Pkt., 25c.

7233 X **Leichtlinii.** Large-flowered, rosy lilac. 25c.

7233A **Rosea Grandiflora.** Pkt., 25c.

7234 **Whitewell Gem.** Glowing rosy purple with slight tinge of blue. Pkt., 25c.

7230 X **Large-Flowered Hybrids, Mixed.** A wonderfully fine strain, good range of colors. Pkt., 25c. **Plants,** 3 for 85c; doz., $2.50.

BAPTISIA

Culture: B (Feb. to July 15th), C (April-July) D or E (Mar.-July)

7235 **Australis (False Indigo).** Forms a spreading bush 3 to 4 ft. high with dark bluish green leaves and Lupin-like blue flowers in June and July. Pkt., 10c. **Plants,** 3 for 85c; doz., $2.50.

7240 **BOCCONIA Cordata.** 5 ft. Cream. Pkt., 10c.

BOLTONIA (False Chamomile)

Culture: B (Feb. to July 15th), D or E (Mar.-July)

They are among the relatively few fall flowering perennials, and are effective as background plants. They bear small star-flowers in large clusters.

7245 **Asteroides.** 4-6 ft. July-Oct. White. Pkt., 15c.

7250 **Latisquama.** 4-5 ft. July-Oct. Delicate pink. Pkt., 15c. **Plants,** 3 for 85c; doz., $2.50.

BUDDLEIA (Butterfly Bush)

Culture: B (Feb. to July 15th), D or E (Mar.-July)

A small shrub bearing exquisite tapering spikes of lilac-mauve flowers; requires same protection as roses during winter. The top usually freezes back, and new growth starts from the root, like other perennials.

Ile de France. 3-6 ft. July-Sept. Large trusses of rich, rosy violet-purple, fragrant. A good cut-flower. Strong pot plants to bloom this summer. Each, 40c; **Plants,** 3 for 85c; doz., $2.50.

7251 **Variabilis Veitchiana.** 3-8 ft. July-Sept. Mauve. Pkt, 15c.
For other Buddleia See also Page 71.

7270 **CAMPANULA** Calycanthema (Cup and Saucer) Mixed. Pkt., **10c.** Plants, 3 for **85c.**

7260 **CAMPANULA** Carpatica. Pkt., **10c.** Plants, 3 for **85c.**

7310 **CAMPANULA** (Canterbury Bells) Single Mixed. Pkt., **10c.** Plants, 3 for **65c.**

Canterbury Bells and Other Campanulas

Culture: B (Feb. to July 15th), D or E (Mar.-July)
This brilliant family includes the Canterbury Bells and Cup and Saucer type, which are biennials, as well as a number of true perennials, varying in height from dainty rock garden subjects 8 inches tall to the stately pyramidalis and persicifolia types which reach 6 feet. While large growing types demand rich soil, there are no flowers more thrifty or adaptable than the small and medium sized Campanulas.

CUP AND SAUCER

7270 Calycanthema Mixed. 2 ft. June-Aug.
7275 —White. Plants, 3 for 85c; doz., $2.50.
7280 —Pink. Plants, 3 for 85c; doz., $2.50.
7285 —Blue. Plants, 3 for 85c; doz., $2.50.
7284 —Lilac.
Price, each of above, pkt., 10c.

CANTERBURY BELLS

7325 Double Pink. **7330 Double Mixed.**
7315 Double White. **7320 Double Blue.**
7300 Single Blue. Plants, 3 for 85c; doz., $2.50.
7301 Single Lilac. Pkt., 15c.
7305 Single Pink. Plants, 3 for 85c; doz., $2.50.
7295 Single White. 2 ft. June. Plants, 3 for 85c; doz., $2.50.
7310 Single Mixed Colors. Plants, 3 for 65c; doz., $2.00.
Each of the above, except where noted: pkt., 10c.

OTHER CAMPANULAS

7259 Alliariaefolia. Creamy white flowers; desirable border plant. 2½ ft. Pkt., 25c.
7260 × Carpatica (Harebell). 9 in. June to Aug. Forms tufts of neat foliage above which are borne cup shaped, upright blooms of a glistening light violet-blue, freely produced. Splendid for edging, dry walls and border. Likes partial shade. Pkt., 10c. Plants, 3 for 85c; doz., $2.50.
7265 × —Alba. 9 in. July. Pure white. Pkt., 10c. Plants, 3 for 85c; doz., $2.50.
7334 × Fragilis, The Basket Campanula (Blue Star of Bethlehem). Is of prostrate trailing habit and has large pale blue flowers. It likes a well drained position with as little moisture as possible. If sown early blooms the first year. Half hardy. 25c.
7331 Garganica. Beautiful star-shaped sky blue flowers fairly cover the trailing plants, excellent for walls or rock gardens. Pkt., 15c.
7333 Glomerata Superba (Clustered Bellflower). Beautiful dark violet flowers borne in clusters. A splendid variety for full sun or partial shade. June-July. 20 in. Pkt., 25c. Plants, 3 for 85c; doz., $2.50.
7335 Lactiflora Coerulea. Broad-leaved, 2½-3 ft. July. Light blue. Pkt., 15c.
7338 Latifolia Macrantha. 3 ft. Erect stems, large bells, violet-blue. Pkt., 15c.
7344 Persicifolia (Peach Bells). Blue. 2-3 ft. June-July. Fine border plant. Pkt., 25c. Plants, 3 for 85c; doz., $2.50.
7345 —Alba. White. Pkt., 25c. Plants, 3 for 85c; doz , $2 50.
7350 Persicifolia, Mixed. Blue and white. 25c.
7346 —Telham Beauty. 4 ft. It produces on long stems very large globular open flowers of a lovely china-blue with silvery shading. Pkt., 25c. Plants, 3 for 85c; doz., $2.50.
7351 —Coerulea Plena. Double blue peach bells. Height, 30 in. Pkt., 35c.
7352 —Alba Plena. Double white. Pkt., 35c.
7340 × Pusilla. Light blue bells, very free blooming. 4 in. July. Pkt., 25c.
7355 Pyramidalis (Chimney Bellflower). Blue. 5-6 ft. August-Sept. Pkt., 10c. Plants, 3 for 85c.
7365 —Mixed. Pkt., 10c. Plants, 3 for 85c.
7366 × Rotundifolia (Blue Bells of Scotland). 6-12 in. Matted foliage, slender, branching stems, covered with dainty frail blue flowers. Pkt., 15c.
7371 —Olympica. 12 in. A fine alpine from the Olympian Mountains. Blooms freely summer and fall. The light blue bells and grass-like leaves grow from a creeping root. Pkt., 35c.
7361 × Turbinata. 6 in. A beautiful variety, forms close mats of foliage and bears large cup-shaped flowers of blue, smothering it. June-July. Pkt., 20c.
7370 Vaughan's Special Mixture of Campanulas. A grand assortment of all varieties. Fine for cut flowers. ⅛ oz. 50c; pkt., 25c.

Coreopsis

Culture: B (Feb. to July 15th), D or E (Mar.-July)
7497 Diadem (Grandiflora Auriculata Superba) 2 ft. July-August. Single 3-in. flowers of deep yellow, with a maroon blotch. Pkt., 15c.
7495 Lanceolata Grandiflora. 2 ft. June-October. Large orange-yellow flowers on long graceful stems. About the best yellow cut flower blooming incessantly. One of the perennials which will flower the first year if sown early. ¼ oz., 25c; pkt., 10c. Plants, 3 for 65c; doz., $2.00.
7496 —Double Flowering (Grandiflora Fl. Pl. Special Selection). A well fixed double and semi-double strain of the above, vigorous and free flowering. Pkt., 15c. Plants, 3 for $1.00; doz., $3.50.
7494 Mayfield Giants. A fine perennial of Australian origin. It produces a taller and more vigorous plant than the type, with longer and firmer stems and larger individual blooms of which the ray petals are broader. Pkt., 20c.
See also Page 71.

7496 **COREOPSIS** Double Flowering. **15c.** Plants, 3 for **$1.00.**

CARNATION

Culture: B (Feb. to July 15th), D or E (Feb.-April)

GRENADIN

A valuable bedding variety with double flowers, blooming first year from seed if sown early. 1 ft.
7390 Dark Velvety Brown. Pkt., 15c.
7402 × Dwarf Red. Especially suitable for rock work and edging and pot culture. Pkt., 25c.
7398 Golden Sun. Early flowering, very double, large clear yellow flowers. Pkt., 35c. Plants, 3 for 85c.
7395 Scarlet. Pkt., 10c. Plants, 3 for 85c.
7385 Triumph, Rose. Pkt., 15c. Plants, 3 for 85c.
7396 Tausendschon. Lovely colors ranging from soft rose and salmon-rose to bright pink. Pkt., 25c.
7400 White. Pkt., 20c. Plants, 3 for 85c.
7401 Mixed. Pkt., 15c. Plants, 3 for 85c; doz., $2.50.

VIENNA DWARF

They grow evenly about 14 inches tall, are extra double and large-flowering, and early.
7410 Rose. Pkt., 15c. **7415 Mixed.** Pkt., 10c.

CENTAUREA (Hardheads, Knapweed)

Culture: B (Feb. to July 15th), D or E (Mar.-July)
The flower heads are like showy, ragged thistle blooms. They grow 2 to 3½ ft.
7426 Dealbata. 2 ft. Large and striking rose-pink flowers, feathery foliage. Pkt., 15c.
7425 Macrocephala. The showiest of all, great thistle-like golden yellow flowers on stiff stems July. Pkt., 10c. Plants, 3 for 85c.
7430 Montana Blue. 2 ft. June-Sept. Numerous large deep blue flowers somewhat resembling the annual cornflower. Pkt., 10c. Plants, 3 for 85c.
7432 Pulcherrima. 15 inches. Lovely rosy lavender flowers. Pkt., 25c.

7257 × CALAMINTHA Alpina. 6 in. Pkt., 25c.
7256 × CALLIRHOE Involucrata (Poppy Mallow). Crimson. Pkt., 15c.
7376 CASSIA Marylandica. 4 ft. Yellow. 10c.
7377 CATANANCHE Coerulea. 2 ft. Blue. 10c.

Dainty Columbines

COLUMBINES (Aquilegia)

Culture: B (Feb. to July 15th), C (April-July), D or E (Mar.-July)

To the exquisite daintiness and poetic beauty of these flowers, modern strains have added a wonderful range of colors, both of soft pastel and brilliant tones. They are easily grown from seed, prefer light shade, and thrive in any fairly rich soil.

7119 **×Alpina.** Blue. 2 ft. April-July. Pkt., 15c.

7121 **California Hybrids.** 3 ft. Long spurred, dark carmine-lake. Pkt., 20c.

7120 **Canadensis (American Columbine).** 1 to 2 ft. May-July. Handsome scarlet and orange flowers. Pkt., 10c.

7125 **Chrysantha.** 3 to 4 ft. May-August. Yellow, long spurred. Pkt., 15c.

7130 **—Fl. Pl.** 3 ft. Double golden yellow. Pkt., 15c.

7126 **—Silver Queen.** 3 ft. Long spurred silvery white flowers. Pkt., 25c.

7140 **Coerulea (Rocky Mountain Columbine).** 1 to 2 ft. April-July. One of the most beautiful of our native American flowers. Sepals, deep blue; petals, white. Pkt., 10c. **Plants,** 3 for 85c; doz., $2.50.

7145 **—Rosea (Rose Queen).** 2½ ft. Beautiful light to dark rose with white center. Pkt., 25c. **Plants,** 3 for 85c; doz., $2.50.

7142 **Colorado Rainbow Hybrids.** Including blue, yellow, white, lavender, orchid, purple, three shades of red, all pink, pink and white, red and white and red and yellow, all in the native Columbine. Pkt., 25c.

7171 **Edelweiss.** 16 to 20 in. Large snow-white blossoms. Pkt., 25c.

7148 **Flabellata Nana Alba.** A delightfully dwarf variety for the rock garden; perfect foliage and ivory-white flowers. The whole plant not over 8 to 10 inches high. A quaint Japanese species. Pkt., 25c.

7154 **Glandulosa Vera.** 3 ft. Bright sky-blue with white corolla. Pkt., 50c.

7152 **Jaetschaui.** 3 ft. Large-flowered yellow with long, red spurs. Pkt., 25c.

7158 **Long Spurred Blue.** Splendid selection from light to dark blue. Pkt., 35c.

7159 **Long Spurred Orange and Scarlet.** Unusual tones in great variety. Pkt., 35c.

7156 **Long-Spurred Crimson Star.** Brilliant, dark crimson, borne profusely. Pkt., 25c. **Plants,** 3 for $1.00; doz., $3.50.

7157 **Long-Spurred Copper Queen.** Lovely deep copper with long spurs of deeper hue, while the inside of the corolla is a buff. The guard petals are unusually broad, and the flowers gracefully poised on strong stems. Pkt., 50c.

7165 **Skinneri (Mexican Columbine).** 2 to 3 ft. June-August. Scarlet and yellow. Pkt., 15c.

7143 **Longissima.** A beautiful American species having spurs 4 inches in length on flowers of a delicate pale yellow. One of the most attractive Aquilegias that can be obtained from seed. Pkt. (50 seeds), 50c.

7190 **Aquilegia Vaughan's Special Mixture** includes all the varieties mentioned and new colors not found elsewhere. Pkt., 25c. **Plants,** 3 for 85c; doz., $2.50. These have small double flowers like miniature roses and bloom very freely.

7181 **Double White.** Pkt., 25c. 7182 **Double Old Rose.** Pkt., 25c.

See also Novelty Pages and Page 71.
For Cultural Instructions, See Page 87.

7151 **AQUILEGIA** Dobbie's Imperial Hybrids. Pkt., **25c.**

7151 **Dobbie's Imperial Hybrids.** A strain with large, long spurred flowers in strong, brilliant tones of all colors. Pkt., 25c.

7150 **Mrs. Scott Elliott's Strain of Long-Spurred Hybrids.** The blooms are of large size and the spurs very long. The colors range through shades of lavenders, mauves, blues, purples, whites, creams, yellows, pinks, reds, etc., with soft pastel tones dominating. Pkt., 25c. **Plants,** 3 for 85c; doz., $2 50.

CLEMATIS

Culture: B (Feb. to July 15th) C (Nov. to March)

Jackmanii. See Climbing Vines.

7475 **Recta Grandiflora.** June-July, 2-3 feet. Clusters of fragrant white flowers. Pkt., 15c. **Plants,** 3 for 85c; doz., $2.50.

CHRYSANTHEMUMS

Culture: B (Feb. to July 15th), D or E (Mar.-April)

These hardy fall flowering Chrysanthemums will bloom the first year from seed, often producing earlier blooms than possible to obtain from plants. In sections where frosts are early and winters severe, this method of propagation is advised.

7442 **Cascade or Balcony Mixed.** A new form producing drooping spikes a foot or more in length, with flowers about the size of a climax Aster in delicate pink, rose, yellow and white mixed. Should be grown in hanging basket or pots. 35c.

7450 **Early-Flowering Double Chinese Varieties.** 2 ft. A mixture of fall flowering with some especially fine colors. Pkt., 35c.

7451 **Early-Flowering Single Chinese.** 2 feet. Attractive flowers in many charming shades. 25c.

7445 **Mawii.** A perennial Chrysanthemum with rich pink flowers, perfectly hardy. An ideal subject for border or rockery, height about one foot; flowers two inches across. Silvery foliage. Pkt., 35c.

7482 **×CONVOLVULUS Mauritanicus.** 6 in. Blue. Pkt., 15c.

7492 **×CORYDALIS Cheilanthifolia.** 8 in. Fern-like foliage, yellow flowers. April-October. Pkt., 25c.

CYCLAMEN (Hardy)

Culture: B (Feb. to July 15th), C (April-July)

7498 **×Europaeum.** 4 in. The well known red flowering Alpine violet. Aug.-Sept. Pkt., 50c.

7719 **DICENTRA** Spectabilis. Pkt., **35c.** Plants, 3 for **$1.25**

DICENTRA (Dielytra) (Bleeding Heart or Seal Flower)

Culture: B (Feb. to July 15th), C (Nov.-Mar.)

7718 **Eximia (Plumy Bleeding Heart).** Dwarf. 12 in. Pkt., 25c.

7719 **Spectabilis.** Its long racemes of graceful heart-shaped pink flowers are always attractive. Is perfectly at home in any part of the hardy border, especially in the shade. Pkt., 35c. **Plants,** 3 for $1.25; doz., $4.00.

7720 **DICTAMNUS** "Gas Plant" Pkt., **15c.** Plants, 3 for **85c.**

DICTAMNUS (Gas Plant)

Culture: B (Feb. to July 15th), C (Nov.-March)

This bushy perennial with its attractive flower spikes blooms with the tall bearded iris. While its seeds germinate slowly, and do best when sown in the fall, once the plant is established it should not be moved.

7720 **Fraxinella.** 3 ft. May-June. Large spikes of deep pink purple-veined flowers. Pkt., 15c **Plants,** 3 for 85c; doz., $2.50. **Three-year clumps,** 3 for $1.25; doz., $4.00.

7725 **—Albus.** 3 ft. May-June. Spikes of attractive pure white sweet-scented flowers. Pkt., 15c **Plants,** 3 for 85c; doz., $2.50. **Three year clumps,** 3 for $1.25; doz, $4.00

7569 **DELPHINIUM** Wrexham, Hollyhock-Flowered Strain. Mixed. Pkt., **50c.** Plants, 3 for **$1.50.**

7571 DELPHINIUM Vaughan's Special Mixture. This contains the Elatum varieties, both double and single, the Butterfly, Chinese and all the other various kinds. Pkt., 35c.

Stately Delphiniums

(Hardy Larkspurs)

Culture: B (Mar.-Sept. 1st), D or E (Mar.-May)

Modern hybrid Delphiniums have become the dominant flowers in the perennial border of late June. In deep, rich soil, they grow six feet tall or more, with huge spikes of large flowers, varying in colors from the darkest violet to pale lavender Lower growing types are also valuable for both border and cut flower use; the Chinese and Butterfly types are fine for bedding. With hybrids, plants established several years produce the best flowers. If the bloom is cut down to the ground a second flowering spike is produced.

Taller Species and Hybrids

7550 Belladonna Improved Cliveden Beauty. 2 ft. June-July. Exquisite turquoise blue. Pkt., 20c. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7551 Bellamosum. 3 ft. This is a dark form of the light blue Belladonna, with intensely rich, deep blue flowers. Pkt., 20c. **Plants,** 3 for 85c; doz., $2.50.

7552 Bellamosum Improved. Large deep blue flowers, uniform in color, with a white bee. Blooms 2½ inches across Pkt., 25c.

7564 Blackmore and Langdon Strain. All the clear shades of blue, with bees of contrasting colors. Pkt., 50c. **Plants,** 3 for $1.25; doz., $4.00; 100, $25.00.

7547 Cardinale. "Scarlet Larkspur," a native California species with long spikes of scarlet flowers, seed germinates slowly. 2-3 ft. Pkt., 25c.

7568 Double Selecta. New hybrids producing 90% extra double flowers of large size and excellent color variation. Pkt., 50c.

7535 Elatum Hybridum. Single Mixed. 3 to 4 ft. June-August. Pkt., 10c.

7539 —Iceberg. A giant white, sturdy 4 ft. spikes of large flowers. Pkt., 35c.

7540 —Double Mixed. 3 ft. Pkt., 15c.

7545 Formosum. 3 ft. June-July. Deep blue, white eye, open spike. Pkt., 15c. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7566 Hoodacres White. A splendid selection from a well-known strain. Pkt. 50c.

7555 Indigo (True Blue). 3 ft. Pure indigo-blue, comes true from seed. 35c. **Plants,** 3 for 85c; doz., $2.50.

7560 Nudicaule. 1-1½ ft. April-July. Dwarf brilliant scarlet flowers. Seed very slow of germination. Pkt., 25c.

7561 —Lemon Gem. Clear yellow self. Pkt., 25c.

7541 Summer Cloud. Pure white and comes true from seed. Pkt., 50 seeds, 25c.

7565 Zalil. 3 ft. Sulphur yellow. Seed germinates very slowly. Pkt., 25c.

See also page 71.

7569 Wrexham Hollyhock-Flowered Strain Mixed. New giant-flowered strain of superior quality. Flowers in blue, white and pink combinations, many of them bicolor, 1½ to 2 inches in diameter, many double. **Plants,** 3 for $1.50; doz., $5.00; 100, $35.00.

7569D Wrexham Art Shades. Includes many pastel shades.

7569B —Light Blue Shades.

7569C —Mid-Blue Shades.

7569A —Deep Blue Shades.

Price, each of above, pkt., 50c.

CHOICE SELECTED PLANTS

We select outstanding specimen plants when our fields of Wrexham Delphinium are in full bloom. They are all magnificent true double or semi-double types with bees of contrasting colors. We offer them in light blue or dark blue at 75c each; $7.50 dozen.

7570 Vaughan's Gold Medal Hybrids. This strain is especially grown for us, the seed being saved from selected plants. Many of them are double flowered, and range in color from pale lavender to indigo-blue. Pkt., 25c. **Plants,** 3 for $1.00; doz., $3.50; 100, $20.00. See also Page 71.

Shasta Daisies

Culture: B (Feb. to July 15th), D or E (Mar.-July)

The name Shasta is now applied not to a single variety but to a class of hardy daisies, bearing giant flowers, all splendid border subjects and easily grown from seed.

7500 Alaska. 2-2½ feet. Splendid for cutting. Pkt., 10c. **Plants,** 3 for 65c; doz., $2.00.

7501 Westralia. 3 ft. Taller and earlier. Pkt., 15c.

7502 Elder Daisy. 2 ft. May. A popular variety for early cutting and border. Pkt., 15c.

Elder Daisy, Improved. Originator's improvement, larger flowers and more prolific bloomer. **Plants,** 3 for 85c; doz., $2.50.

7462 Maximum Conqueror. June. 2½ ft. Large, pure white flowers, five inches in diameter, on long stiff stems, in profusion. Pkt., 15c. **Plants,** 3 for 85c.

7460 —King Edward VII. 2½ feet. Very large flowers on stout stems. Pkt., 10c. **Plants,** 3 for 85c.

Chrysanthemum Supreme. Outstanding new variety. Low, bushy foliage, strong, medium height stems with large flowers. Blooms freely. **Plants,** 3 for $1.00; doz., $3.50.

See also Page 71.

7504 Giant Double. They come 50% good double. Some very good white, others creamy white, balance single to semi-double. If one plants seed and selects the plants that are good, he can propagate by root divisions and cuttings. Pkt., 35c. **Plants,** 3 for $1.50.

TAHOKA DAISY.

5635 A beautiful lavender-blue Daisy with fernlike foliage. Carried on good long stems, the flowers are tinted with rose as they fade, center deep yellow. Under open ground culture the plants are in bloom by middle of June and flower until October. Excellent for cutting. To get an even and quick germination, keep seed in refrigerator two weeks. Pkt., 25c.

DORONICUM (Leopard's Bane)

Culture: B (Feb. to July 15th), C (Oct.-May)

Showy spring flowering perennials belonging to the daisy order. Their yellow Marguerite flowers are invaluable for cutting. Seed germinates slowly.

7777 Caucasicum. 1½ ft. A showy border plant with large heads of yellow flowers. Spring. Pkt., 50c. **Plants,** 3 for $1.25; doz., $4.00.

7778 Plantagineum Excelsum. 3 ft. Large yellow flowers 4 in. in diameter. April to Oct. Pkt. (20 seeds), 50c.

7776×DODECATHEON Meadia. 1 ft. Lilac Pkt., 25c.

ECHINACEA (Coneflower)

Culture: B (Feb. to July 15th), D or E (Mar.-July)

Stout perennials for the border or wild garden. Flowers in July-Aug., good cut flowers.

7780 Hybrida. 4 ft. Flowers of various shapes produced in a wide range of colors Pkt., 15c.

7785 Purpurea (Purple Coneflower). 3-4 ft. A handsome border plant bearing rosy purple flowers. Pkt., 15c. **Plants,** 3 for 65c; doz., $2.00.

7788 ECHINOPS Ritro (Globe Thistle). 3-4 ft. Steel-blue flower heads, round like a ball, covered with needle-like spines. Pkt., 10c. **Plants,** 3 for 85c

7791×EDELWEISS Leontopodium Alpinum. 4-12 in. June-July. The flowers white and star-shaped. Pkt., 25c.

7798×ERINUS Alpinus. 4 in. May-June. Purple flowers good for flagging. Pkt., 25c.

Hardy Pinks (Dianthus)

7625 **DIANTHUS** Plumarius Vaughan's Special Mixed. Pkt., **25c.** Plants, 3 for **65c.**

Culture: B (Feb. to July 15th), D or E (Feb.-April)
In the rockery and in the border the Dianthus family is of value. Both flowers and grayish-green foliage are decorative, the former ranging from the tiny single blossoms of the deltoides type to large double carnations. Most of them grow easily from seed, thrive in ordinary soil and are perfectly hardy.

7576 X Allwoodi Alpinus. Perennial Dianthus flowering the first year from seed. It is only four to six inches high, has single and semi-double flowers and contains all the Dianthus colors. Is a perfect gem for the rock garden. Pkt., 50c. **Plants,** 3 for $1.00; doz., $3.50.

7575 Allwoodi Mixed. The flowers are about 75 per cent double and appear in all colors except yellow. The single flowers are quite as handsome as the double and have the advantage of making large clusters. It is exceptionally hardy and flowers from early spring until fall. Pkt. (25 seeds), 40c.

7579 X Arenarius (Sand Pink). 6 in. Flowers white, fringed. Pkt., 25c.

7578 X Atro-coccineus (Everblooming Sweet William) Cruentus. 15-18 in. Crimson, semi to full double flowers. Pkt., 10c. **Plants,** 3 for 85c; doz., $2.50.

7587 Best Rock Garden Varieties, Mixed. Rock gardens now so popular need these low growing Dianthus to brighten spots and fill in crevices with their attractive flowers. Pkt., 25c.

7580 X Caesius (Cliff Pink). 1 ft. Flowers delicate rose pink, fragrant. Pkt., 25c. **Plants,** 3 for 85c; doz., $2.50.

7582 X Deltoides Brilliant (Maiden Pink). 8 in. Delicate pink blossom carried above fine, feathery foliage. Pkt., 25c. **Plants,** 3 for 85c; doz., $2.50.

7588 —Major Stern. A new form with bright crimson flowers and dark foliage, free flowering. 35c.

7583 X Graniticus. 4 in. Low growing, forming dense carpet covered with crimson flowers in May and June. Pkt., 25c.

7592 Winteri. Striking new Pinks awarded First-Class Certificate by R. H. S. The flowers are of pure colors, habit compact, flowers first year from seed, deliciously scented. Pkt., 50c. **Plants,** 3 for $1.00.

CLOVE OR GRASS PINKS (Plumarius)

Plumarius are the old-fashioned, fragrant garden Pinks. Fine for perennial border or rockwork.

7591 X Albus Plenus. Double white. Pkt., 25c.

7590 X Cyclops (Clove Pink). 1 ft. An exquisite mixture of colors; fragrant. Pkt., 10c. **Plants,** 3 for 85c; doz., $2.50.

7620 X Double Mixed. Fine for cutting. Pkt., 10c.

7584 Highland Queen. The most brilliant perennial Dianthus in cultivation, bearing in profusion flowers of a lustrous scarlet-vermilion color. It is extremely hardy, of vigorous growth, continuing in bloom from May until November. Pkt., 35c. **Plants,** 3 for 85c.

7585 Highland Rose Hybrids. Clear rose with deeper zone of various shades of red. Pkt., 35c.

PLUMARIUS—Continued.

7595 Little Jock Hybrids Plumarius. 6-8 in. Compact plants produce a multitude of fringed flowers, an inch across, in varied tints of pink, rose and white, mostly with a deep zone, and 50 per cent double. Pkt., 35c.

7605 X Nanus Fl. Pl. 1 ft. Double dwarf mixed. Pkt., 15c. **Plants,** 3 for 85c; doz., $2.50.

7609 X Spring Beauty. Double giant-flowered grass pinks carnation-like in form and size and with a beautiful range of color. Very fragrant. Pkt., 25c. **Plants,** 3 for $1.00; doz., $3.50.

7615 X Single Mixed. Delicately fringed. Pkt., 10c.

7634 Vaginatus. 18 in. Covered with vivid cardinal red flowers on stems 16 inches long. Useful for the border or rock garden. Pkt., 30c.

7625 X Vaughan's Special Mixture. A grand selection of clove pinks of the above Plumarius type and others. Pkt., 25c. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

Foxgloves (Digitalis)

Culture: B (Feb. to July 15th)
These are biennials and should be sown every year. They should be wintered in a cold frame where sub-zero temperatures are common; and always in a well drained place, as their crowns remain green all winter. Their tall spires of brilliant color are among the border's most conspicuous ornaments.

7751 Canariensis. Canary yellow. Pkt., 25c.

7730 Gloxiniaeflora White. Flowers shaped and spotted like a gloxinia. 2-4 ft. June-July. Pkt., 10c. **Plants,** 3 for 85c; doz., $2.50.

7735 —Pink. Pkt., 10c. **Plants,** 3 for 85c; doz., $2.50.

7740 —Purple. Pkt., 10c. **Plants,** 3 for 85c; doz., $2.50.

7736 —Isabellina. 5 ft. A very striking variety, producing yellow flowers which gradually develop a chamois or buff shade. Pkt., 25c.

7745 —Mixed Colors. Pkt., 10c.

7760 Monstrosa Mixed. Long spikes surmounted by one enormous flower. Pkt., 10c.

7768 The Shirley Hybrids. 6 to 7 ft. The flower-heads are over 3 ft. long, covered with big bell-shaped blossoms. Colors range from white and shell-pink to deepest rose, many attractively dotted with crimson or chocolate. Pkt., 25c. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7750 Grandiflora. 2 to 3 ft. June-July. Yellowish flowers marked with brown. Pkt., 10c. **Plants,** 3 for 85c; doz., $2.50.

7769 Hybrida Lutzii. 4 ft. Salmon. Pkt., 20c.

7775 Vaughan's Special Mixture of Digitalis. The above, and other colors. Pkt., 15c. **Plants,** 3 for 85c; doz., $2.50.

7775 **DIGITALIS** Vaughan's Special Mixture. Pkt., **15c.** Plants, 3 for **85c.**

7435 X CERASTIUM Tomentosum (Snow in Summer). 4 in. June-July. A low, creeping plant bearing a profusion of white flowers. Pkt., 15c. **Plants,** 3 for 85c; doz., $2.50.

CARNATION Crimson King, all summer bloomer, bright crimson. Plants, each, **35c;** 3 for **85c;** doz., **$2.50.**

DOUBLE TYPES OF Hardy Carnations

Beatrix. 16 in. A new and improved variety of ever-blooming habit. Has large, double, pale salmon pink blooms, very fragrant and giving an abundance of bloom all summer Makes a fine border or rock plant. **Plants,** 3 for $1.00; doz., $3.50.

Crimson King. 2 ft. Probably the finest of the hybrid types closely resembling a carnation in size and habit of growth. Large, fragrant, bright crimson blooms of velvety appearance borne in profusion in June and continuing until heavy frost. Blooms are very double, often 2 inches diameter and possess the true carnation fragrance. **Plants,** each, 35c; 3 for 85c; doz., $2.50.

Fuerst Bismarck. Similar in habit of growth to Beatrix, but beautiful double deep rose blooms. Fragrant and blooms all summer. **Plants,** 3 for $1.00; doz., $3.50.

ERIGERON (Flea Bane)

Culture: B (Feb. to July 15th), C (Oct.-May)
They somewhat resemble in form the hardy asters, but flower much earlier, and have attractive single flowers which are prized for cutting.

7797 Elatior. Rosy, 24 in. May-June Pkt., 20c

7796 Speciosus Hybridus Grandiflorus. Large flowers of rich purple. 24 in. June. Pkt., 20c.

For Plants See Page 71.

EUPHORBIA

Culture: B (Feb. to July 15th), D or E (Mar.-July)

7807 Corollata (Flowering Spurge). June-July. Small white flowers not unlike Gypsophila Elegans. Pkt., 15c.

7808 X Myrsinites. 3 in. June-July. Distinct grey trailer, large heads of yellow flowers. Pkt., 25c.

7806 X Polychroma. 18 in. June and July. Bright yellow flowers changing to rosy-bronze. Pkt., 25c **Plants,** 3 for $1.00; doz., $3.50.

EUPATORIUM (Thorough Wort)

Culture: B (Feb. to July 15th), D or E (Mar.-July)
Plant these vigorous, thrifty flowers in the border or in woodland. They like light shade. Coelestinum is one of finest fall perennials, its pale lavender furnishing an excellent foil for autumn yellows.

Coelestinum. (Hardy Ageratum). 2 ft. Sept.-Oct. One of the few outstanding fall perennials. Grows into large bushes with abundant lavender flower heads like ageratum. Excellent cut flower. **Plants,** 3 for 85c; doz., $2.50.

7800 Fraseri. 2 ft. Pure white ageratum-like flowers; does well in shade. Pkt., 10c.

HARDY PAMPAS GRASS

Culture: B (Feb. to July 15th), D or E (Mar.-July)

7858A Erianthus Ravennae. 5 to 7 ft. Producing from 30 to 50 flower-spikes. Resembles tender Pampas Grass. Pkt., 15c.

7852 **GEUM** Lady Stratheden. Pkt., **35c.** Plants, 3 for **85c.**

7855 **GEUM** Mrs. Bradshaw. Pkt., **25c.** Plants, 3 for **85c.**

HOSTA Subcordata Grandiflora. Plants, 3 for **$1.00.**

HOSTA (Funkia or Day Lily)

Very attractive plants with broad overlapping leaves of various markings; very ornamental, surmounted by dainty lily-like flowers in terminal racemes, 1½-2 ft. July-Aug. Effective in front of shrubbery under trees, or any shady position.

Cordata Aurea Variegata. 1 ft. Choice variety. August. Lavender-blue. **Plants,** 3 for 85c; doz., $2.50.

Coerulea (Lanceolata). 1 ft. Dark blue. **Plants,** 3 for 85c; doz., $2.50

Japonica Aurea Marginata. 1 ft. August. Mauve. **Plants,** 3 for 85c; doz., $2 50.

Subcordata Grandiflora. Flowers white, large green leaves. One of the best perennials for shade. **Plants,** 3 for $1 00; doz., $3.50.

Variegata. Good edging plant Leaves white and green. **Plants,** 3 for $1.00; doz., $3.50.

Gaillardias

Culture: A (Mar.-July), B (Feb. to July 15th), D or E (Mar.-July)

One of the few perennials that flower continuously from June to October, the value of the Gaillardia is being constantly increased by improvements in the size and coloring of its flowers. It grows easily from seed and will flower the first year. It is perfectly hardy and will grow well in ordinary soil, making a bushy plant with graceful stems 2 feet high.

7810 Grandiflora, Mixed. Composite flowers variegated with shades of red and yellow. Pkt., 10c. **Plants,** 3 for 65c; doz , $2.00; 100, $12.00.

7813 —Bremen. 2 ft Splendid new coppery scarlet, yellow tips. Blooms all summer. Pkt., 15c. **Plants,** 3 for 85c; doz., $2.50.

7812 —Burgundy. Shining wine-red flowers about 2½ in. in diameter, on long stiff stems, from June until fall. Blooms the same year, if sown early. Pkt., 25c. **Plants,** 3 for 85c; doz., $2.50.

7812 **GAILLARDIA** Burgundy. Pkt., **25c.** Plants, 3 for **85c.**

7811 Grandiflora Dazzler. Large golden yellow flowers with rich maroon center. Pkt., 25c.

7815 —Maxima Aurea. Very large golden-yellow flowers with large red eye. Pkt., 15c.

7836 —Portola Hybrids. 2½-3 ft. The stems are strong and stiff. The flowers are nearly 4 inches; brilliant scarlet intensified by the golden yellow with which each petal is heavily tipped. Pkt., 25c.

7831 —Tangerine. Compact grower. Large tangerine orange colored flowers. Pkt., 25c.

7816 —Torchlight. 2 to 2½ ft. Compact habit, flowers golden yellow with maroon center, often 5 in. Pkt., 25c. **Plants,** 3 for 85c.

7835 —New Hybrids. Large flowers in a variety of colors. Pkt., 25c. **Plants,** 3 for 85c.

For Gaillardia Sun God, See Page 71.

GERBERA (Transvaal Daisy)

Culture: D, E (Jan.-April)

7846 Jamesoni Hybrids. 2 ft. Large daisy-like blooms on long stems in yellow and red. Seed should be sown singly, point up, cover lightly in greenhouse or hotbed. Transplant when leaves are one inch long. Water sparingly. Give sunny, airy location, protect in summer in the open from rain. Needs protection over winter. Pkt. (25 seeds), 25c. **Plants,** 3 for $1.50; doz., $5.00.

GEUM

Culture: B (Feb. to July 15th), C (Oct.-Mar.), D or E (Mar.-July)

Geums belong to the Rose family. The species described are showy, free-flowering kinds producing a wealth of attractive flowers which are much prized for cutting. They are of a tufted habit of growth with pinnate leaves. Excellent for border culture. To avoid wilting after cutting, put stems in warm water.

7851 ×Boresi. 16 in. June-Oct. Single deep orange flowers on bushy plants, grey-green leaves. Pkt. 25c.

7850 Coccineum Atrosanguineum Plenum. 1½ ft. May-July. Double, bright scarlet. Pkt., 15c.

7852 Lady Stratheden (Golden Ball). Flowers loosely double; a delightful shade of golden yellow. Pkt., 35c. **Plants,** 3 for 85c; doz., $2.50.

7855 ×Mrs. Bradshaw. 2 ft. The double orange-scarlet flowers are very large and full. June-Sept. Pkt., 25c. **Plants,** 3 for 85c; doz., $2.50.

7853 Orange Queen. Flowers large and semi-double, of a beautiful orange scarlet. Valuable for cutting. Pkt., 30c. **Plants,** 3 for 85c; doz., $2.50.

GYPSOPHILA

Culture: A or B (Feb. to July 15th), D or E (Mar.-July)

Established plants, which should never be disturbed, produce cloud-like masses of small flowers in the border. They are fine for cutting and dry perfectly for winter bouquets. Dried flowers can be made to look again like fresh ones by wrapping the dried blooms in a moist towel half a day in a cool place.

7864 Acutifolia. 3 ft. Pretty, useful species, flowers pale pink. Pkt., 15c.

7866 Oldhamiana. 3 ft. A new pink variety. Fragrant pink flowers. ¼-inch diameter. Seeds, pkt., 25c; **Plants,** 3 for $1.00; doz. $3.50.

7860 Paniculata Double Snow White. A great improvement on the single-flowered type and more lasting, the flowers forming miniature balls of white petals. 2-3 ft. July-August. Not quite fixed, but about 25 per cent come true. The plant is difficult to propagate by division. Pkt., 25c.

7865 —(Baby's Breath). 2-3 ft. July-Aug. Small single flowers on branched stems, so thick as to give the plant a white lace-like effect. Pkt., 10c. **Plants,** 3 for 65c; doz., $2.00.

Paniculata Bristol Fairy (Double Baby's Breath). Early double pure white large flowering perennial Baby's Breath. It is a new form, blooming much earlier than paniculata fl pl., and producing a second crop of spikes after the first have been cut. **Plants,** 65c each; 3 for $1.50; doz., $5.00.

7867 Pacifica. 4 ft. Withstands both severe winter and extreme heat and dryness. The seedlings form dense bushes with myriads of tiny pink blossoms on the slender spreading panicles. Later than paniculata. Good for cutting. Pkt., 25c. **Plants,** 3 for 85c.

7862 ×Repens. Dwarf white Baby's Breath. Splendid in rockery. 15c. **Plants,** 3 for 65c; doz., $2.00.

7863 ×—Rosea. 6 in. Attractive dwarf pink or rose variety. Pkt., 15c.

For other Gypsophila, See Page 71.

7840 ×GENTIANA Acaulis. 4 in. Blue. Pkt., 20c.

7857 ×GLOBULARIA Trichosantha. 12 inches. Blue. Pkt., 20c. Plants, 3 for 85c.

7870 HEDYSARUM Coronarium. Red. Pkt., 10c.

7906 ×HELIANTHEMUM Mutabile (Rock Rose). 8-12 in. July-Aug.. Mixed colors. Pkt., 10c.

HELENIUM (Sneezewort)

Culture: B (Feb. to July 15th), D or E (Mar.-July)

To register masses of color in the border background, the Heleniums and other members of the Sunflower family are most useful. They grow easily from seed and spread rapidly. Autumn flowering varieties are especially valued for contributing autumn color.

Autumnale Rubrum. 3 ft. Brilliant brownish red blooms in Aug. **Plants,** 3 for 85c; doz., $2.50.

7885 Hoopesii. 1-3 ft. June. Rich orange-yellow with slightly drooping rays. Pkt., 10c.

7890 Riverton Gem. 2 to 4 ft. Covered from August to October with brilliant old gold changing later to wallflower-red. Pkt., 25c.

7895 Riverton Beauty. 4-5 ft. Rich lemon-yellow with a large purplish cone. Aug.-Sept. Pkt., 25c. **Plants,** 3 for 85c; doz., $2.50.

HELIOPSIS (Orange Sunflower)

Culture: A or B (Mar.-July), D or E (April-May)

A very brilliant border plant, resembling a double sunflower; an excellent cut flower.

7910 Pitcheriana. 3 to 4 ft. high. Golden yellow flowers. 2 inches in diameter; blooms all summer. Pkt., 10c.

7916 Soleil d'Or (Golden Sun). Free flowering; useful for display or cutting. Pkt., 20c.

HELIANTHUS (Hardy Sunflower)

Culture: B (Feb. to July 15th), D or E (Mar.-July)

Hardy, perennial sunflowers flourish splendidly in any garden, city or country. They are a beautiful race of sturdy, showy plants, invaluable for cutting

7900 Maximilianii. Aug.-Oct. 2-4 ft. Small and graceful flowers of deep yellow. Pkt., 25c.

Multiflorus Plenus. 3 to 4 ft. Aug.-Sept. Large double golden yellow flowers resembling a dahlia or a large chrysanthemum. Good for massing, for background effect and for cut flowers. **Plants,** 3 for $1.00; doz., $3.50.

7905 Perennial Varieties, Mixed. Pkt., 15c.

GYPSOPHILA Paniculata, Bristol Fairy. Plants, each **65c.**

New Giant Hemerocallis

Development of tall, large flowered varieties blossoming in midsummer has made this family one of the dominant border plants.

New Hemerocallis Hybrids

Hybridizers like Dr. Stout, B. H. Farr, C. Betscher, Amos Perry, George Yeld and others, have created wonderful new Hemerocallis of rare beauty, rich coloring and extreme hardiness.

Bay State. 4 ft. Late June. C. Betscher. Brilliant and glistening deep yellow flowers, free blooming and robust in growth. **Each,** 60c.

Calypso. 3 ft. A choice variety introduced by Burbank. Large pale lemon-yellow flowers, slightly ruffled. Blooms over a long period in July and is much admired. **Plants,** 3 for $1.50; doz., $5.00.

Gypsy. 3 ft. July. C. Betscher. Brilliant deep orange flowers. Slender stems and plants of medium size. **Each,** 85c.

Lemona. 4½ ft. Early July. C. Betscher. Delicate and pale lemon-yellow flowers. One of the finest large blooms much like a large Japanese Iris in form. **Each,** 60c.

Mrs. W. H. Wyman. 4 ft. Early August. C. Betscher. Lovely light pale lemon-yellow flowers. Very free-flowering and last a long time. **Ea.,** 60c.

Ophir. 4 ft. July. Early Aug. B. H. Farr. Giant golden yellow blooms, many to a stem. Rated by all authorities as one of the finest hybrids. **Ea.,** 75c.

Hemerocallis Collection 79A
Three new hemerocallis ($2.00 value), for $1.50. One plant each of Ophir (75c), J. A. Crawford (65c) and Lemona (60c).

Sir Michael Foster. 4 ft. June-July. This is a hybrid from Aurantica Major and Citrina and bears the largest flowers of all Hemerocallis. Blooms are veritable starry trumpets of clear yellow, very fragrant. **Each,** 60c.

The Gem. 3½ to 4 ft. Middle of June. Rich, deep orange-yellow flowers. Very finely formed bloom, equal to the best Lilies; truly a gem. **Each,** 60c.

Vesta. 2½ ft. July. Dr. Stout. Deep orange flowers with a glistening gold sheen. Large flowers and semi dwarf growth make this variety one of the finest. **Each,** $1.25.

Wau-Bun. 3 ft. June-July. Dr. Stout. Large flowers of light cadmium-yellow, slightly sprinkled fulvous red, abundantly gold-glistening. Petals large and broad, with ends slightly twisted, a pleasing characteristic found in no other day-lily. **Each,** $3.00.

Other Hemerocallis

Aureole. 3 ft. May-June. Deep orange-yellow with bronze reverse.

Dr. Regal. 1½ ft. Rich orange-yellow. May and June.

Flava. 3 ft. June. Clear yellow, very fragrant.

Florham. 3 ft. Like Flava but blooms a month later.

Fulva Kwanso Fl. Pl. 3 ft. July-August. Orange shaded crimson, double.

Sovereign. 2 ft. May-June. Soft chrome-yellow shaded brown on the outside, fragrant.

Thunbergi. 3 ft. July. Fragrant golden yellow. **Plants,** any of above, 3 for 65c; doz., $2.00.

Hemerocallis Collection No. 79
One each of the 7 varieties above for $1.40.
See other Hemerocallis on Page 71.

HEMEROCALLIS

The Decorative Hollyhocks

Culture: B (Feb. to July 15th), D or E (Mar.-July)

There is no flower more decorative. Following delphiniums in the border show, it has a long season of bloom which can be prolonged by picking off faded flowers, and a second crop will come if the first stalks are cut back. Improved strains have exquisite coloring, both in single and double types.

Double Varieties

8000 **Blood-Red.**
7971 **Colorado Sunset.**
7995 **Crimson.**
7975 **Maroon.**
7980 **Rose.**
7990 **Salmon.**
7970 **White.**
7992 **Yellow.**

Price, each of above, pkt., 10c.

Plants, of double Hollyhocks in the above colors, 3 for 85c; doz., $2.50; 100, $15.00.

8004 **Lilac Beauty.** A clear bright lilac color. Pkt., 15c.

8005 **Newport Pink.** The finest pure pink, exquisite shade. Pkt., 15c.

8003 **Queen of Sheba.** Beautiful primrose, buff with rosy reflection. Pkt., 15c.

8015 **HOLLYHOCKS** Vaughan's Prize Double Mixture. Pkt., **10c.** Plants, 3 for **85c.**

8015 **Vaughan's Prize Double Mixture.** Finest shades in perfect flowers. Pkt., 10c; ¼ oz., 40c. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8006 **Alameda Pink.** The foliage is deep green and thick and large and is quite distinct from other varieties of hollyhock. The blossoms are 4½ inches across. Blooms first year if sown early. Pkt., 25c.

8010 **Allegheny Mixed.** Flowers come single, semi-double and double, about 5 inches across, and are beautifully fringed. Pkt., 10c.

7991 **Fringed Mixed.** Grows 4-5 ft. high and is of branching habit, all the stems being studded by prettily waved and fringed flowers which appear in an entirely new range of color. Pkt., 25c.

Single Varieties

More permanent and hardy than the double, and, if planted with a deep green background of shrubbery or evergreens, they afford a most striking effect.

8025 **Pink.**
8020 **Red.**
8040 **Rose.**
8050 **Salmon.**
8045 **White.**
8051 **Yellow.**
8055 **Mixed.** ¼ oz., 30c.

Price, each of above, pkt., 10c; any 3 for 25c.

HESPERIS MATRONALIS
(Sweet Rocket—Evening Scented Stock)

Culture: B (Feb. to July 15th), D or E (Mar.-July)

The fragrant flower heads of these thrifty flowers, somewhat resembling perennial phlox, make a fine display in the border, or in bits of woodland, for they endure light shade. 2 to 3 feet. June and July.

7930 **Purpurea.** Purple. ½ oz., 30c; pkt., 10c.
7935 **—Alba.** White. Pkt., 10c.
7936 **—Mixed.** Pkt., 10c.

HIBISCUS (Rose Mallow) 3 to 5 Feet

Culture: B (Feb. to July 15th), D or E (Mar.-July)

In the late summer, when perennials are few, well established plants of mallow bear their beautiful single flowers, 3 to 5 inches, several weeks. Aug.-Sept.

7945 **Crimson Eye.** Creamy white flowers, large crimson center. Pkt., 10c **Plants,** 3 for 85c.
7950 **Golden Bowl.** Deep cream, with a velvety maroon center Pkt., 10c
7960 **Mallow Marvels, Mixed.** Pkt., 10c. **Plants,** 3 for 85c; doz., $2.50.
7965 **—Red.** Pkt., 15c. **Plants,** 3 for 85c.
7966 **—Pink.** Pkt., 15c. **Plants,** 3 for 85c.

8088 **×INULA Ensilfolia.** 9 in. July-Sept. Yellow aster-like flowers. Pkt., 25c.

8089 **—Royleana.** Rich orange flowers. 5-6 in. across, dwarf habit. Pkt., 25c.

HEUCHERA (Coralbells)

Culture: B (Feb. to July 15th), D or E (Mar.-July)

From a tuft of heart shaped leaves, graceful flower stalks rise bearing flowers in clusters. Beautiful both in border and rockery.

7941 **×Brizoides Gracillima.** May-June. Bright, flesh-pink. 2 ft. Pkt., 25c. **Plants,** 3 for $1.00.

Pluie de Feu. 2 ft. June-Aug. Deepest coral red flowers on long stems. **Plants,** 3 for $1.25; doz., $4.00.

7940 **Sanguinea.** 2 ft. July-Aug. Long stems of large crimson-scarlet flowers. Pkt., 25c. **Plants,** 3 for $1.00; doz., $3.50.

7943 **—New Hybrids.** All shades of red and coral pink. This is a mixture which is highly spoken of because of its fine coloring, large flowers and free flowering of the plants. Pkt., 35c. **Plants,** 3 for $1.00.

7943 **HEUCHERA** New Hybrida. Pkt., **35c.** Plants, 3 for **$1.00.**

8150 **LUNARIA** (Honesty). Pkt., **10c.**

8090 **IRIS** Kaempferi. Pkt., **25c.**

8179 **LUPINUS** Polyphyllus Vaughan's Special Mixture. Pkt., **25c.** Plants, 3 for **85c.**

LUNARIA

Culture: B (Aug.-Sept.), D or E (March-July)

8150 Biennis Annua (Honesty or St. Peter's Penny). Flowers purple, followed by silvery seed pods, prized for winter bouquets. Annual but readily self-sows. Pkt., 10c.

8155 —Alba. Pure white. Pkt., 10c.

IBERIS (Perennial Candytuft)

Culture: A or B (Mar.-July), D or E (Mar.-July)

Dwarf evergreen plants, 6 to 10 in. Covered with blooms in spring and early summer. Excellent for rockeries or borders where bright dwarf masses are wanted.

8075 × Gibraltarica. Pinkish-white. Pkt., 10c.

Jucunda. See Aethionema Cordifolium.

1270 Queen of Italy. Dwarf bushes covered with large pink blooms. ⅛ oz., 25c; pkt., 10c.

8080 × Sempervirens. Sheet of white. Pkt., 15c. Plants, 3 for 85c; doz., $2.50.

LAVENDER (Lavendula)

Culture: B (Feb. to July 15th), D or E (Mar.-July)

Delightfully fragrant flowers, much used when dry on account of their sweet odor. Prefers warm, dry soil. Favorite for centuries.

8117 × —Munstead Strain. 1 ft. A most valuable variety producing large sweet scented flowers in abundance. A month earlier than the common Lavender. Pkt., 25c.

8116 Vera (True Lavender). 2 ft. June-Aug. Blue. Pkt., 10c. Plants, 3 for 85c; doz., $2.50.

LATHYRUS LATIFOLIUS (Hardy Pea)

Culture: B (Feb. to July 15th), C (Oct.-March), D or E (Mar.-July)

Very decorative climbing vines of the Pea family for growing on fences, trellis, etc., and for cutting. Blooms all summer, if seed pods are removed.

8100 Pink Beauty. Pale pink variety.

8105 Rubra. Bright rosy crimson.

8110 White Pearl. Large white.

8115 Mixed. The above colors.

Price, each of the above, pkt., 10c.

LINARIA (Toad Flax)

Culture: A or B (Mar.-July), D or E (Mar.-July)

Showy free-flowering plants of a trailing habit. Good for borders, window boxes or rockeries.

8122 × Alpina. 6 in. Blue. July and Aug. Pkt., 25c.

8119A Canon Want. 2½ ft. Pink. Pkt., 25c.

8120 × Cymbalaria (Kenilworth Ivy). 3 in. Dainty lilac and orange, trailing habit. Pkt., 10c.

8121 × Dalmatica Macedonica. Large flower spikes like snapdragon, bright yellow. Pkt., 25c.

LOBELIA

Culture: B (Feb. to July 15th), C (Oct.-March), D or E (Mar.-July)

Handsome border plants, thriving in any ordinary garden soil, but preferring a moist, deep loam.

8145 Cardinalis (Cardinal Flower). 2 ft. July-Oct. Tufts of bronzy green foliage from which arise spikes of fiery scarlet flowers. Pkt., 15c. Plants, 3 for 85c; doz., $2.50.

Grow Iris From Seed

Culture: A or B (Mar.-July), C (Oct.-March)

8090 Kaempferi (Japanese Iris). Japanese Irises grow easily from seed sown either in the spring or fall. Flowering plants are often produced the first year. They will thrive in well drained soil, but require plenty of water in the flowering season. Pool margins are a good location Pkt., 25c.

For Iris plants see page 94.

INCARVILLEA (Hardy Gloxinia)

Culture: B (Feb. to July 15th), C (Oct.-March)

Large rich rose Bignonia-like flowers with deep yellow throats, produced all through the summer. A hardy perennial which succeeds well in borders and is equally valuable for greenhouse decoration.

8084 Bee's Pink. 1½ ft. Large light rose. Pkt., 50c.

8085 Delavayi. 2 ft. June. Splendid gloxinia-like flowers. Germinates slowly. Pkt., 25c.

8086 Grandiflora. 1 ft. A Chinese species. Carmine flowers. May and June. Pkt., 25c.

8087 Grandiflora Brevipes. 2 ft. Large flowers, bright deep rose. Very handsome. Pkt., 25c.

8094 ISATIS Glauca. 3 ft. Yellow. Pkt., 10c.

For Cultural Instructions, See Page 87.

LUPINUS (Polyphyllus)

Culture: A or B (Mar.-July), D or E (Mar.-April)

In a sandy or light woods soil, slightly acid, where water can be supplied, the lupins will thrive. Their tall spikes of bloom present a delightful variety of color blending from June to September.

8170 Albus. Large, pure white spikes. Pkt., 10c.

8172 Atro-Violaceus. Large dark blue. Pkt., 25c

8165 Blue. Stately spikes of blue. Pkt., 10c.

8166 Chocolate Soldier. Yellow to chocolate. Pkt., 15c.

8168 C. M. Prichard. Pale salmon-orange with yellow. Pkt., 15c.

8174 Downer's Hybrids. Perpetual flowering new hybrids. Pkt., 25c. Plants, 3 for 85c; doz., $2.50.

8181 Gold Crest. Yellow flowers, deeper wings. Pkt., 20c.

8173 Harkness' Regal Mixture. A mixture of charming new colors, in which rose, buff, flesh and salmon shades predominate. Pkt., 25c.

8176 Lavender Queen. Lavender tinted pink blossoms. Pkt., 25c.

8169 Luteus. Yellow shades. Pkt., 15c.

8177 Princess Juliana. Pink. Pkt., 25c.

8175 Roseus. 4 ft. Light and dark rose flowers on long stems. Pkt 15c.

8177A Salmoneus. Many salmon tints. Pkt., 20c.

8182 Six Hills Scented Mixed. Fragrant, great range of color. Pkt., 15c.

8178 Sunshine. Yellow. Pkt., 25c.

8179 Vaughan's Special Mixture. This is a choice mixture of the best English and other European strains, including recent novelties. Pkt., 25c. Plants, 3 for 85c; doz., $2.50.

8180 Mixed. Splendid value. Pkt., 10c.

Grow Lilies from Seed

See Illustration on Inside Back Cover.

Many lilies are easily grown from seed; and seedling lilies are likely to be more enduring in your garden. A leaflet describing the simple methods which bring success, requiring no skill, but merely care and patience, will be sent free with each order for lily seed, if requested. You will find it fascinating.

8156 Auratum (Gold-Banded). Flowers white, dotted crimson, with a clear golden band running through center of each petal; fragrant. Pkt., 15c.

8156A Auratum Platyphyllum. The flowers are similar in color to Auratum, heavily spotted, but are much larger, of greater substance. Pkt., 15c.

8160 Backhouse Hybrids. Growing 5-6 feet high. Flowers come in purple, straw-yellow, orange, buff and many lovely combinations, with contrasting marbled or dotted effect. Pkt. (25 seeds), 40c.

8156B Cernuum. The lilac Tenuifolium. Sturdy, hardy, of easy culture and rare beauty. Nodding, recurved petals, on stems 2½ to 4 ft. Pkt., 25c.

8156C Concolor. Especially adapted to rockeries. Flowers upright, starlike, deep vermilion. July. 6 to 18 inches. Perfectly hardy. Pkt., 25c.

8161 Formosanum Pure White (Dream Lily). 2 ft. It bears on slender leafy stem many long white trumpet shaped flowers slightly marked externally, reddish brown with reflexing petals. Blooms from seed the first year if sown early. Pkt., 35c.

8157 Henryii. The flower stalks, 3 to 5 feet high, carry 5 to 8 flowers each; the color, a rich apricot-yellow, lightly spotted with brown. Pkt., 35c.

8158 Martagon. Clusters of purple flowers. 25c.

8162 Regale. 3½ ft. The flowers are white, slightly suffused with pink on backs of petals. Fragrant. (250 seeds.) Blooms out-of-doors early in July, and seedling bulbs will flower the second year. Pkt., 15c.

8163 Tenuifolium (Coral Lily of Siberia). It is a gem, perfectly hardy. One of the earliest to flower. 24 in. high with the flowers up and down on stem. Blooms are deep scarlet and have recurled petals of waxy texture. Pkt. (150 seeds), 25c.

8162A —Golden Gleam. Robust and floriferous, bearing numerous flowers of a pure apricot-yellow. Pkt., 25c.

8163A Washingtonianum. 3-6 ft. The fragrant flowers are carried in racemes, two to twenty being borne on each stem. The individual blooms are two to four inches long, pure white, dotted purple inside, suffused purple without. Gravelly soil and perfect drainage needed. Pkt. (50 seeds), 35c.

8164 Willmottiae. 4 ft. Flowers vivid orange-red, the recurved petals being spotted with brown, slender foliage of a rich brown. Pkt. (40 seeds), 35c.

8164A Mixture of Hardy Lilies. Pkt. (250 seeds). 25c.

Perennial Poppies

Culture: B (Feb. to July 15th), D or E (Mar.-July)
All poppies grow easily from seed, the nudicaule type flowering the first year. Orientals will not come true from seed, but excellent plants are produced.

8269 X **Alpine Mixed.** 6 in. A charming miniature poppy with brilliantly colored flowers including white, pink, apricot, yellow or orange-scarlet, etc. Excellent for rockwork. Pkt., 35c.

8315A **Pilosum.** 2 ft. Apricot-orange. One of the easiest perennials to grow. Seed sown in August will bloom in spring. A stunning combination planted with Tulips. Pkt., 15c.

ORIENTALE (Oriental Poppy) 3 ft. May-June

These gorgeous spring flowers, often six inches across, of vivid coloring, may be left undisturbed for years. They are beautiful with the tall bearded Iris.

8307 **Beauty of Livermere.** Dark ox-blood. 25c.

8311 **Carneum.** Light and dark salmon pink shades (70% true). Pkt., 25c.

8308 **Mahoney.** Maroon, shaded crimson. Pkt., 15c.

8309 **Mrs. Perry.** Delicate salmon-rose with black blotches. Pkt., 25c.

8306 **Perry's White.** 2½ ft. Large, handsome, satiny white flowers with purple-black blotch at base of each petal. Pkt., 25c.

8305 **Princess Victoria Louise.** Large flowers, soft lilac-rose color. Pkt., 15c.

8310 **Red.** Very striking color. Pkt., 10c.

8312 **The Feltham.** A strain lacking the usual black blotches at base of petals. It has scarlet, orange-scarlet, apricot, etc. Pkt., 25c.

8315 **Hybrids Mixed.** Pkt., 15c.

8314 **Vaughan's Special Mixture of Oriental Poppies.** Pkt., 25c.

PLANTS OF ORIENTAL POPPIES

Beauty of Livermere. 3 ft. Crimson with dark blotch, stout erect stems. **Plants,** 50c; 3 for $1.25; doz., $4.00.

Jeannie Mawson. 2½ ft. Charming geranium pink, large flowers on stiff stems. **Plants,** 50c; 3 for $1.25; doz., $4.00.

Joyce. 4 ft. A tall cherry red poppy of medium size. **Plants,** 50c; 3 for $1.25; doz., $4.00.

Mrs. Perry. Delicate salmon-rose with black blotches. **Plants,** 35c; 3 for $1.00; doz., $3.50.

Olympia. Double rich scarlet. Very early and free blooming. **Plants,** 65c; 3 for $1.50; doz., $5.00.

Royal Scarlet. Old fashioned scarlet Oriental Poppy. **Plants,** 30c· 3 for 85c; doz., $2.50.

See other Poppies on Page 71.

LINUM (Flax) 12 to 18 in.

Culture: C (April-July), Set out Aug.-Oct.
The foliage and flower present the appearance of a small feathery bush. The flowers are borne in great numbers from May through September.

8126 X **Alpinum.** 4 in. Purple, blotched orange. 25c.

8140 **Flavum.** 1-2 ft. Produces masses of golden yellow flowers from June until Sept. ·Pkt., 20c.

8141 **—Compactum Nanum.** This dwarf flax, a glowing golden yellow, blooms for months and if cut back gives a fall crop. Pkt., 25c.

8124 **Narbonense.** Forms a spreading clump of azure-blue flowers with white eye. Pkt., 25c.

8125 **Perenne Blue.** 2 ft. May-Aug. Has dainty sky-blue flowers on graceful arching stems. Blooms produced continuously in profusion. Pkt., 10c **Plants,** 3 for 85c; doz., $2.50.

8135 **—Mixed Blue and White.** Pkt., 10c.

8220 **LYTHRUM Roseum Superbum.** 4 ft. 10c.

LYCHNIS

Culture: B (Feb. to July 15th), D or E (Mar.-July)
A fine old-fashioned flower, that livens up the border during summer and early autumn.

8200 X **Alpina.** 4 in. April. Close tufts, olive green foliage. Clusters of rose flowers. Pkt., 20c.

8189 **Arkwrightii.** 2 to 3 ft. English hybrids, salmon rose to flaming scarlet and dark carmine. Pkt., 25c.

8190 **Chalcedonica (Maltese Cross).** 3 feet. June-Aug. Burning Star. Flowers fiery red in clusters, each blossom forming a maltese cross. Will bloom from seed the first year. Pkt., 10c. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8196 **—Salmon Queen.** 3 ft. Salmon pink. 15c.

8210 X **Haageana Hybrids.** 1 ft. June-July. Mixed. Ranging from nearly white to scarlet. Pkt., 10c.

8215 X **Viscaria Splendens.** 1½ ft. Almost evergreen foliage, bright rose flowers. Pkt., 10c. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

ICELAND or Nudicaule

The bright colored flowers are borne on stems which rise to a foot above a tuft of fern-like leaves. Cool moist soil is necessary, and light shade preferred. If faded flowers are picked off they blossom all summer, and they usually bloom the first year from seed. 12 inches.

8275 X **Yellow.** 8270 X **Mixed.**

8282 X **White.** 8280 X **Orange.**

Price, each of above Nudicaule varieties, pkt., 10c.

8289 X **Coonara Pinks.** Lovely flowers, pink, salmon pink and salmon shades. Pkt., 15c.

8290 X **Double Mixed.** Extra fine strain. Pkt., 15c.

8276 **El Monte.** Deep tangerine orange flowers on long wiry stems. Fine for cutting. Pkt., 15c.

8288 X **Gibson's New Giant Orange.** Pkt., 20c.

8286 X **Sunbeams. Mixed.** This is a cross between the Shirley and Nudicaule types. The flowers are charming shades of orange, salmon, maize and other tints. Pkt., 25c.

8277 **Gartref.** Large flowers in choice art shades, all edged in a contrasting tone. Pkt., 25c.

8278 **Sandford's Giant Strain.** Immense flowers and very strong long stems, in a beautiful color range. Pkt., 20c.

8293 **Emperor.** 18-22 in. Finest giant orange variety, of distinct new form, with broad overlapping fluted petals giving effect of semi-doubleness. Blooms freely first year from seed and is excellent for the garden or for cut flowers. Pkt., 25c.

8292 **Empress.** 18-22 in. A companion to Emperor, even more nearly double, with unique color range of salmon rose and pink tones, new to the race. Pkt., 25c.

8279 **Vaughan's Special Iceland Poppy Mixture.** We have included in this all the newer varieties, including the Gartref offered above, and all the Sunbeams and older forms. It will add color to the perennial border. Pkt., 25c.

LIATRIS (Kansas Gay Feather)

Culture: B (Feb. to July 15th), D or E (Mar.-July)

8118A **Pycnostachya.** 4 to 5 ft. Flowers purple in spikes, which bloom a long time. Excellent for the border. July-Aug. Pkt., 25c. **Plants,** 3 for 85c; doz., $2.50.

8118 **Spicata (Button Snakeroot).** 2 to 3 feet. Purple flowers. July-Sept. Pkt., 10c.

8119 **Scariosa.** Rare North American species. Crowded spikes of rosy purple flowers. Pkt., 15c.

See also Page 71.

Hardy Forget-me-not

MYOSOTIS 4 to 9 in.

Culture: C (April-July), Set out Aug.-Oct.
Lovely dwarf plant for damp places, spreading rapidly and covering the ground. Makes excellent edgings and carpetings for beds or borders of perennial plants. We list the seeds of Alpestris varieties among annuals.

8251 **Blue Bird.** A beautiful winter-flowering deep blue variety. Pkt., 25c.

8230 **Dissitiflora.** Rich blue, early and compact. One of the best. Pkt., 15c.

8240 X **Palustris Semperflorens.** Dwarf blue, in flower from early spring until autumn. Thrives in almost any situation and is an ideal variety for rock gardens or edgings. Pkt., 15c. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8250 **Ruth Fisher.** It is of particularly neat and compact habit, and the lovely blue flowers shoot up strongly over dark green foliage. Pkt., 25c.

8252 **Star of Love.** A charming dwarf compact variety, literally covered with large bright blue flowers. Dark green foliage. Height 5 in. Pkt., 25c.

8245 **Vaughan's Early and Late-Flowering.** The flowers are borne on long, stiff stems. The blossoms are the most exquisite sky-blue with a delicate white center. Pkt., 10c.

8293 **POPPY ICELAND** Poppy Emperor. Pkt., **25c.**

MATRICARIA (Feverfew)

Culture: B (Feb. to July 15th), D or E (Mar.-July)

3206 **Capensis Improved.** Select flat petaled type. Pkt., 35c. **Plants,** 3 for 85c; doz., $2.50.

MONARDA (Bergamot or Bee Balm)

Culture: B (Feb. to July 15th), D or E (Mar.-July)
Fine for naturalizing in woods and shrubbery; bearing large whorls of flowers surrounded by colored bracts, and fragrant foliage; good for bees. Sandy loam and sunny position. Fine for masses.

8227 **Cambridge Scarlet.** Brightest glowing scarlet. July-August. Pkt., 25c.

Didyma. 3 ft. June-Sept. Brilliant scarlet. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8226 **Hybrida.** Mixed. Pkt., 15c.

NEPETA (Mauve Catnip)

Culture: B (Feb. to July 15th), D or E (Mar.-July)
Neat bushes covered with lavender-blue flowers; both foliage and flowers aromatic.

8254 X **Mussini.** 1 ft. May-Sept. Light blue. Pkt., 25c. **Plants,** 3 for 85c; doz., $2.50.

8253 **Nervosa.** May-Sept. The flowers are of a clear light blue, brighter than Mussini. Pkt., 25c.

8254A **Souvenir Andre Chaudron.** 1 ft. Upright habit, dark blue, freely produced. Pkt., 25c.

PACHYSANDRA (Japanese Spurge)

X **Terminalis.** 4 to 6 in. Deep green, evergreen foliage; thrives any place where grass will not grow. Strong **Pot Plants,** 3 for 65c; doz., $2.00; 100, $12.00. For planting large areas we can furnish rooted runners at $8.00 per 100.

PHYSALIS FRANCHETTI

8345 **Chinese Lantern Plant.** 1½ ft. Produces balloon-like husks the second year from seed, which turn bright red when ripe and resemble Chinese lanterns, useful in winter bouquets. Pkt., 10c. **Plants,** 3 for 65c; doz., $2.00.

PHYSOSTEGIA (False Dragon Head)

Culture: B (Feb. to July 15th), D or E (Mar.-July)
Spikes of flowers resembling tiny snapdragons rise above attractive foliage. The buds and flowers grow on the stem as if growing four sides of a square; very attractive foliage. Blooms Aug.-Sept.

8350 **Virginica.** Dense bushes with spikes of delicate lavender pink tubular flowers. June-September. 4 ft. Pkt., 10c.

8355 **—Alba.** June-Sept. 3 ft. Pkt., 10c.

8356 **—Gigantea.** Lilac-rose. 4 ft. Pkt., 25c.

8357 **—Compacta Rosea.** Rose. 3 ft. Pkt., 25c.

Grandiflora "Vivid." 20 in. It blooms three weeks later than the other Physostegias; the individual flowers are larger and of a deeper, more vivid pink, and they last a long time when cut. Stocky, many branched plants, producing heavy bloom for several weeks. **Plants,** 3 for 85c; doz., $2.50.

8361 **PLATYCODON** Mixture. Pkt., **10c.** Plants, 3 for **65c.**

Platycodon

(Chinese Bell Flower)

Culture: B (Feb. to July 15th), D or E (Mar.-July)
They resemble campanulas, with dainty bell flowers on graceful stems, and are effective in the border foreground. They flower from June to September.

8360 Grandiflorum. 2-3 ft. Large handsome, deep blue flowers. Pkt., 10c. **Plants,** 3 for 65c, doz., $2.00.
8365 —Album. White. Pkt., 10c. **Plants,** 3 for 65c.
8361 —Mixture. Pkt., 10c. **Plants,** 3 for 65c.
8366 —Early Flowering Blue. Pkt., 15c.
8367 —Early Flowering White. Pkt., 15c.
8370 × Mariesii Blue. 1 ft. Deep blue dwarf. Pkt., 10c.
8375 × —Alba. White. Pkt., 10c.

8259 Native Wild Flower Mixture.
Seeds of more than 100 different species, carefully collected in the field, are included Most are American, and all are collected in the temperate zone. There are few annuals, the rest hardy perennials. For sowing in woodlands, naturalistic borders, and wild flower gardens. ½ oz., 50c. Pkt. . **25c**

OENOTHERA (Evening Primrose)

Culture: B (Feb. to July 15th), D or E (Mar.-July)
Showy and beautiful plants for borders, beds, etc., flowering from June to October.

8260 Clutei. 4 ft. From a large rosette of leaves it throws up a stout central stalk bearing in profusion large flowers of soft yellow. Open all day. Pkt., 25c.
8261 × Missouriensis (Macrocarpa). 1 ft. Long trailing stems with yellow flowers. Pkt., 10c.
8264 Trichocalyx. 12-15 in. Flowers large, pure white, remain open all day. Pkt., 25c.
8265 Youngii. 1-3 ft. Deep yellow. Pkt., 20c.

PENTSTEMON (Beard Tongue)

Culture: B (Feb. to July 15th), D or E (Mar.-July)
They are very showy, growing from 2 feet to 4 feet high, are rather bushy and have very long, slender spikes which bear many trumpet-shaped flowers.

8316 Barbatus Torreyi (Chelone Barbata). 3½ ft. July-August. Coral red. Pkt., 10c.
8323 × Blue Gem. 1 ft. Compact with charming blue flowers. Pkt., 25c.
8335 Digitalis. 2 ft. June-July. White flowers with purple throat. Pkt., 25c.
8324 Glaber. 3-ft. July-Sept. Blue. Pkt., 25c.
8325 Pubescens. 2 ft. Rosy purple. Pkt., 10c **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.
8330 Large Flowering Newest Hybrids. Splendid assortment of colors. Pkt., 15c.
For other varieties see Annual Section.

POLEMONIUM (Jacob's Ladder)

Culture: B (Feb. to July 15th), D or E (Mar.-July)
Free flowering hardy perennial herbs, belong to the Phlox order. They have graceful, pinnate leaves, and bear their flowers in loose heads. Showy plants for the mixed, sunny border, blossoming with the tulips.

8380 Coeruleum (Greek Valerian). 2 ft. Beautiful sky-blue flowers with golden anthers. April-July. Foliage fern-like. Pkt., 10c. **Plants,** 3 for 85c; doz., $2.50.
8387 × Reptans. 8 to 10 in. April-June. Dwarf bushy plant, pale lavender bell flowers. Pkt., 15c.
8388 Richardsoni. 18 in. Large sky-blue flowers with a yellow eye. May to Sept. Pkt., 25c

Pyrethrums

(Painted Daisy) May-June

Culture: B (Feb. to July 15th), D or E (Mar.-July)
Their large flowers, well named painted daisies, blossom with the tall iris, and continue through June. A second crop will come if the first growth is cut back. They are easily grown from seed. 1 to 2 ft.

8437 Comet Flowered Ostrich Feather. Single and semi-double with twisted petals. Pkt., 25c.
8440 Grandiflorum Single Mixed. Pkt., 15c. Plants, 3 for 65c.
8431 —Roseum. Immense deep rose. Pkt., 50c.
8432 —Rubrum. The color is a shade between deep rose and atrosanguineum and might best be described as deep ruby-red. Pkt., 50c.
8435A—White. Pure white and of true giant flowering type. Pkt., 50c.
8434 Double White. Pkt., 50c.
8430 Double Mixed. Extra choice, selected seed. Only a small percentage will be double, balance will be semi-double and single. Pkt., 35c.
8441 Album. White.
8444 Atro-sanguineum. Blood-red.
8442 Carneum. Flesh. **8443 Roseum.** Rose. Price, each of the above 4 colors, pkt., 15c.
8436 James Kelway. Rich velvety blood red. Pkt., 25c. **Plants,** 3 for 85c; doz., $2.50.
8435 Single Mixed. Pkt., 10c. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

8428 × Ptarmicaeflorum. 10 in. Bushy plants with graceful, fine feathery sea-green foliage, white at a distance. Protect in winter. Pkt., 25c.
8439 Uliginosum. A hardy and vigorous fall daisy bearing large white flowers in September. Easily grown from seed. 4 ft. September. Pkt., 15c. **Plants,** 3 for 85c; doz., $2.50.

8440 **PYRETHRUM** Grandiflorum Single Mixed. Pkt., **15c.** Plants, 3 for **65c.**

Perennial Seed Mixtures

Our Surprise Garden of Annuals has been a great favorite for several years with our customers. Many have asked for a similar mixture of perennial seeds, so we have made the following mixtures, carefully blended.

8600 Dwarf Sorts Mixed. From 6 to 15 in.
8601 Medium Sorts Mixed. 18 to 36 in.
8602 Tall Sorts Mixed. 3 ft. and upwards.
Each of above, per pkt., 25c; three pkts. for 65c.

PERENNIAL EVERLASTINGS
For Winter Bouquets

7008 Achillea Filipendula Parker's. Pkt., 15c.
7788 Echinops Ritro (Globe Thistle). Pkt., 10c.
7860 Gypsophila Paniculata Fl. Pl. Pkt., 25c.
8150 Lunaria Biennis or Honesty. Pkt., 10c.
8345 Physalis Franchetti. Pkt., 10c
8520 Statice Latifolia (Sea Lavender). Pkt., 10c.
All the Perennial Ornamental Grasses.

8415 **PRIMULA** Veris Mixed. Pkt., **15c.** Plants, 3 for **85c.**

Primrose

There is a growing appreciation of the beauty of the amazingly varied primrose family. Blossoming in April and May, their brilliant colors have few rivals in plantings along shady paths or in the rock garden. Seed germinates slowly, may be in the ground a year.

Culture: C (Oct.-March), B (Mar.-July)

Acaulis Lilacina, Fl. Pl. (Lavender Beauty.) A fine new double variety, similar in habits and character to Primula Veris, with double lilac blooms. **Plants,** 3 for $1.50; doz., $5.00.
8402 × Acaulis (Vulgaris) (Common Primrose). Flowers bright yellow; fragrant. Pkt., 10c.
8403 × Auricula. 6 in. Flowers in early spring in colors of yellow, brown and red. Pkt., 25c. **Plants,** 3 for $1.00; doz., $3.50.
8403A—Giant Mixed. Prize show varieties. Pkt., 50c.
8404 Beesiana. 18 in. Woolly leaves with velvety purple flowers with yellow eye. Borne in whorls in April and May. Pkt., 35c.
8405 × Bullesiana Hybrida. New hybrids of rose, orange, carmine, light and dark blue. Pkt., 50c.
8405B Cortusoides Grandiflora Sieboldii. 1 ft. A Siberian species with umbels of deep rose with white eye. April. Creeping root. Pkt., 35c
8405A × Cashmiriana. 1 ft. Flowers in dense heads, lilac in color. Blooms early. Pkt., 25c.
8407 Florindae. 3 to 4 ft. It bears from late June to late in August, 60 to 80 fragrant bright yellow pendant flowers at the top of its stem. Do well in full sun—heavy soil; hardy in Illinois. Pkt., 35c.
8410 × Japonica Special Strain. Colors range through white, rose, pink, crimson, mauve and lavender, bright crimson, orange eye. Pkt., 25c.
8414 × Rosea Grandiflora. 8 in. Rose carmine. May-June. Pkt., 35c.
8411 Sikkimensis. 15 in. Yellow fragrant. Pkt., 50c.

Polyantha Type (Veris Hybrids)

These are showy, cluster-flowered, of exceptional size, thriving in rich, moist soil.

8415 × Veris, Mixed. 6-9 in. The Oxlip or Polyanthus, bearing bright flowers in umbels. Pkt., 15c. **Plants,** 3 for 85c; doz., $2.50.
8420 —Grandiflora Coerulea. The beautiful blue Polyanthus, extra fine variety. Pkt. (50 seeds), 50c.
8416 × —Grandiflora, Mixed. An extra choice large flowered mixed strain. Pkt., 25c.
8417 × —Munstead Strain. A giant polyanthus in many charming light shades. Pkt., 35c. **Plants,** 3 for 85c; doz., $2.50.
8418 × —Lutea. Yellow. Pkt., 25c.
See Primula plants on page 71.

8400 POTENTILLA (Cinquefoil). Double Mixed. All colors. Pkt., 20c.

PUERARIA (Kudzu Vine)

Culture: A or B (Mar.-July), D or E (March-July)

8425 Thunbergiana (Jack - and - the - Bean - Stalk). 50 ft. Flourishes where nothing else will grow. The large bold leaves of the brightest green afford a dense shade. Pkt., 10c.
For Roots, See page 101.

8490 **SCABIOSA** Caucasica Perfecta. Pkt., **15c.** Plants, 3 for **85c.**

Scabiosa

Culture: B (Feb. to July 15th), D or E (Mar.-July)
Perennial Scabiosas are of great value in the garden. They are in bloom from June to October, require little space and thrive in ordinary soil. The graceful flowers in delicate shades of blue and lavender are borne on long, erect stems and are a valuable cut flower.

8490 Caucasica Perfecta. 18 in. Light blue flowers prettily fringed on long stem; fine for cutting. June-October Pkt., 15c. **Plants,** 3 for 85c.
8491 —Alba. Pkt., 25c.
8492 —House's New Giant Hybrids. 18 in. June-Oct. Large flowers in various shades of lavender Pkt., 25c. **Plants,** 3 for 85c; doz., $2.50.
8494 Columbaria Delicate Pink. Flowers measure 2 inches across—very freely produced, of a beautiful shape, somewhat smaller than Scabiosa Caucasica, of a deep rosy mauve. Pkt., 25c.
8493 —Delicate Lavender. Same as above except color. Pkt., 25c.
8495 Japonica. 2 ft. Lavender-blue flowers. September to frost. Pkt., 10c.
For Vaughan's Special Mixture, See Novelties.

PLUMBAGO (Leadwort)

×Larpentae. 8 inches. Dwarf spreading habit covered with deep sky blue flowers all summer and fall. Rich color and abundance of bloom with neat foliage make this an ideal edging plant. **Plants,** 3 for 85c; doz., $2.50.

8445 ROMNEYA Coulteri (Tree Poppy). 15c.

RANUNCULUS (Buttercup)

Culture: B (Feb. to July 15th), D or E (Mar.-July)
Well-known double buttercup, effective either as a cut flower or grouped in the hardy borders.

Acris Fl. Pl. (Double Buttercup). May-June. Yellow. **Plants,** 3 for 85c; doz., $2.50.
8448 Palaflor. A riot of countless shades ranging from the deepest maroon to the purest white; from the most brilliant scarlet to the lightest pink—intermingled with odd shades. Pkt., 50c.

RUDBECKIA (Cone Flower)

Culture: B (Feb. to July 15th), D or E (Mar.-July)
Hardy, free flowering and easily grown perennials belonging to the Daisy order. They are somewhat akin to the Sunflowers in habit. Excellent and showy plants for sunny or partially shaded borders, and for yielding flowers for cutting. Natives of N. America.

8460 Speciosa (Newmanii). 3 ft. Rich golden yellow with central black disc. Pkt., 15c.
Purpurea Grandiflora—See Echinacea Purpurea.
For Cultural Instructions, See page 87.

SPIRAEA FILIPENDULA

From a cluster of fern-like leaves, numerous flowering stalks rise one to three feet high, bearing feathery flower heads of the spiraea type. A border plant.
Dropwort. 1-3 ft. June-July. Creamy white. Graceful plants. **Plants,** 3 for 85c; doz., $2.50.

BABY ROSE (Miniature Fairy Rose)

8452 Rosa Polyantha Nana. 1 ft. Produces the first year from seed true rose bushes bearing tiny double and semi-double white flowers. Excellent for rock gardens, small beds, borders or for pot plants. Pkt. (25 seeds), 25c.

7715 **SWEET WILLIAM** Vaughan's Special Mixture. Pkt., **25c.** Plants, 3 for **65c.**

Sweet William

(Dianthus Barbatus)

Culture: B (Feb. to July 15th), D or E (Mar.-July)
Among the early hardy plants, they are outstanding. They appreciate rich soil. 18-24 inches. May-June.

7640 Copper Red. A new and rich color. Pkt., 15c.
7645 Diadematus. Crimson, white eye. Pkt., 10c.
7650 Johnson's Giant. The range of color includes tones not to be found in other strains, with delicate markings. Pkt., 15c. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.
7655 Nigrescens. Almost black. Pkt., 10c.
7660 Pink Beauty (Newport Pink). Pkt., 10c. **Plants,** 3 for 85c; doz., $2.50.
7661 Purple Beauty. Bright deep purple. Pkt., 25c.
7635 Scarlet Beauty. A charming and distinct color. Pkt., 15c. **Plants,** 3 for 85c; doz., $2.50.
7646 Giant White. Large white flowers. Pkt., 15c.
7665 Single Albus. White. Pkt., 10c. **Plants,** 3 for 85c.
7670 —Atro-sanguineus. Blood-red. Pkt., 10c.
7675 —Roseus. Pink. Pkt., 10c.
7676 —Turkey Red. Pkt., 10c.
7685 —Giant-Flowered Mixed. Pkt., 10c.
7686 —Dwarf Mixed. Pkt., 10c.

Double Varieties

Seedings of all double Sweet William produce about 40% of single blooming plants.

7690 White. **7703 Nigrescens (Black).**
7695 Rose. **7698 Salmon Rose, 15c.**
7700 Blood-Red. **7705 Mixed.**

Price, each of above, pkt., 10c, except where noted.
7710 Double Giant-Flowered Mixed. Pkt., 15c.
7711 Double Dwarf Mixed. Pkt., 15c.
7715 Vaughan's Special Mixture. Sweet William. A mixture of all the beautiful varieties here listed and others. Pkt., 25c. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

Salvia

Culture: B (Feb. to July 15th), D or E (Mar.-July)
Showy, hardy plants of medium growth and of easy cultivation in sunny borders. The flowers are borne in spikes, racemes, or panicles, and are very attractive during the summer months.

8470 Argentea. 3 ft. June. Biennial silvery white foliage, pyramids of yellow flowers. Pkt., 10c.
8471 Azurea Grandiflora. 4 ft. September-October. Stately willow-like growth, spikes of pale blue flowers in great profusion. Pkt., 15c. **Plants,** 3 for 65c; doz., $2.00.
8476 Nutans. 3 ft. A dark blue drooping flower. Pkt., 15c.
8477 Pratensis. 2 ft. A violet blue. Pkt., 10c.
8478 Verbascifolia Syria. 5 ft. Makes a bold clump of foliage. Flower spikes 18 in. tall. Flowers dark blue. Pkt., 25c.
8480 Patens. 2 ft. Large, rich deep blue flowers. Roots can be wintered in cellar. Sept. Pkt., 25c.

Pitcherii (Meadow Sage). 3½ ft. Sept.-Oct. Deep blue. A great improvement over Azurea, blooms three weeks later. **Plants,** 3 for $1.00; doz., $3 50.

SEDUM Spectabile. Plants, 3 for **85c.**

Sedum

Culture: B (Feb. to July 15th), D or E (Mar.-July)
The species vary in habit from dwarf, creeping plants to those of larger growth, as the Spectabile, grows upwards of 2 ft. high. Some, too, are of evergreen and others of deciduous growth, with more or less fleshy leaves. The dwarf kinds do well as edgings to borders and others are suitable for grouping in the border

8501×Acre (Golden Moss). 3 in. A low spreading mossy growth. The bright yellow flowers completely cover the plants in June. Pkt., 25c. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.
8501A Aizoon. 10 in. Yellow and brown, for rocks and borders. July. Pkt., 25c.
8504 Anglicum. 4 in. Foliage blue-green, flower-spikes white, with peach blossom. June-July. 25c.
×Album. 3 in. Thick waxy green foliage, white flowers in May-July. **Plants,** 3 for 65c; doz., $2.00
8502×Coeruleum. 3 in. Pale blue. Pkt., 25c.
8504B Mixed Many Species. Pkt., 25c.
×Sieboldii. 4 in. Round succulent, glaucous foliage; bright pink flowers in August and September. Grows slowly but is probably the most beautiful of all sedums. **Plants,** 3 for 85c; doz., $2.50.
8503×Spurium. 6 in. Pink flowers which appear in July and Aug. Bronze-red foliage. Pkt., 25c. **Plants,** 3 for 65c; doz., $2.00.
Spectabile. 18 in. Immense heads of handsome showy rose flowers. **Plants,** 3 for 85c; doz., $2.50.

Sedum Collection No. 83

One plant each, 5 varieties, for $1.00.

SAPONARIA

Culture: B (Feb. to July 15th), D or E (Mar.-July)

8482×Ocymoides Splendens. 6 in. A showy dwarf trailing plant, producing a sheet of vivid crimson flowers. June-August. Pkt., 10c. **Plants,** 3 for 85c.

8507A×SEMPERVIVUM (Hen and Chickens) Perennial Hybrids Mixed. Pkt., 50c.

Saxifraga (Megasea)

Culture: B (Feb. to July 15th), D or E (Mar.-July)
The Saxifrages are one of the largest families of plants connected with rock gardening.

8483×Aizoon. 6 in. Cream. Pkt., 25c.
8483A×Cordifolia. Light pink. 1 ft. May. Pkt., 35c. **Plants,** 3 for 85c; doz., $2.50.
8487×—Splendens. 2 ft. Useful little plant for rock gardens. Bright rose-pink. Pkt., 35c.
8485A×Hypnoides. 3 in. Dovedale Moss or Eve's Cushion. Flowers white in May and June on long stout and slender stems. Pkt., 25c.
8485 Mossy Varieties and Species, Mixed. 25c.
8484 Perennial Species, Mixed. Pkt., 25c.

8495A×SCUTELLARIA (Helmet Flower). Baicalensis Coelestina. 15 in. Blue. Pkt., 25c.
8506 SENECIO Clivorum Orange Queen. 4 ft. Pkt., 25c.
8507 —Othello. 4 ft. Purple foliage. Pkt., 25c.
8512×SPERGULA Pilifera. 4 inches. Evergreen. Pkt., 35c.

SIDALCEA

Culture: B (Feb. to July 15th), D or E (Mar.-July)

Graceful, hardy perennials with Hollyhock-like flowers borne on slender spikes.

8497 Rosy Gem. 4 ft. Pkt., 25c. **Plants,** 3 for 85c; doz., $2.50.

8499 New Hybrids. Varying through light pink to deep rose. Pkt., 15c.

SILENE (Catchfly)

Culture: B (Feb. to July 15th), D or E (Mar.-July)

A charming class of plants for the rock garden. They are closely allied to the Pink family and require much the same treatment. They bloom nearly all summer.

8508 Alpestris. 6 in May to July. Sheets of glistening white flowers Pkt., 25c.

8508A Asterias Grandiflora. 1½ft. Globular heads of carmine-scarlet flowers. Pkt., 15c.

8509 ×Schafta. 4 in. July-October. Bright rose. One of the best autumn border plants. Pkt., 15c. **Plants,** 3 for 85c; doz., $2.50.

8509A Saxifraga. 10 in. June to Aug. Flowers yellow, reddish-brown underneath. Pkt., 25c.

STATICE (Sea Lavender)

Culture: B (Feb. to July 15th), D or E (Mar.-July)

They are stemless, the leaves springing direct from the root stock and the flower stems are more or less twiggy, bearing their small flowers in much-branched panicles. The flowers are useful for drying for winter.

8516 Caspia. The multitude of small flowers composed in spikes 2 to 3 ft. long of a tender lilac. 15c.

8515A Dumosa. It forms densely packed cushions of pure silvery grey flowers. Their stems are stiff and wiry, the panicles are thickly covered with blossoms. 2 ft. Pkt., 25c.

8520 Latifolia. 2 ft. Dense branching plumes of deep blue flowers. Pkt., 10c. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8517 Perezii. Rich bright blue. Pkt., 25c.

8518 Tatarica. White, useful for drying. Pkt , 15c

STOKESIA (Stokes' Aster)

Culture: B (Feb. to July 15th), D or E (Mar.-July)

Large flowers, resembling a single aster, it prefers a light soil, and some winter protection.

8525 Cyanea. 18 in. July-Oct. Flowers rich blue Pkt., 10c. **Plants,** 3 for 85c; doz., $2.50.

8535 —Mixed. Blue and white. Pkt., 15c.

VERBASCUM

Culture: B (Feb. to July 15th), D or E (Mar.-July)

Plants of stately growth. The leaves more or less woolly, and the flowers are borne in branched spikes. Belongs to the Foxglove order.

8569A Harkness Hybrids. 6 ft. Immense spikes well furnished with large pure yellow flowers during the whole summer. Pkt., 25c.

8568 Hybridum, Miss Willmott. The large white flowers are produced in stately spikes, rising 5 to 6 feet. July to frost. ,Pkt., 15c.

8567 Olympicum. 6 ft. Silvery foliage; golden yellow flowers borne in large pyramidal spikes. June-Sept. Pkt., 25c.

8569 Phoeniceum Hybrids. 2 ft. Bears white, purple, rose or red flowers in erect spikes. Pkt., 25c. **Plants,** 3 for 85c; doz., $2.50.

See also Page 71.

TROLLIUS New Hybrids. Plants, 3 for **$1.25.**

TROLLIUS (Globe Flower)

Culture: C (Oct.-Mar.)

Globe flowers of unique character, of bright orange or yellow, and finely cut leaves, make this a desirable subject for moist, lightly shaded locations or pool sides. (Seeds germinate slowly; soak in hot water for six hours before sowing.)

8550 Europaeus. (Golden Ball.) 20 in. Yellow. 25c.

8550A —Earliest of All. Early golden-yellow. Pkt., 35c.

8550B Orange Princess. Rich orange flowers 1½ to 2 in. in diameter, stems 1 to 2 ft. Pkt., 35c.

8551 Ledebouri. 2 ft. Orange flowers. Pkt., 50c. **Plants,** 3 for $1.00; doz., $3.50.

8553 —Golden Queen. 3 to 4 ft. The plant is very vigorous, bearing large flowers of intense orange color, and flowers in autumn as well as early summer. It comes practically true to type from seed. Pkt., 50c. **Plants,** 3 for $1.50; doz., $5.00; 100, $35.00.

8554 Hybridus Mixed. 20 in. Pkt., 25c.

New Hybrids. 2-3 ft. May-July. Grown from selected seed of the best named varieties. Many give second bloom in autumn. **Plants,** 3 for $1.25; doz , $4.00.

Tritoma Red-Hot Poker

Culture: B (Feb. to July 15th), D or E (Mar.-July)

Very handsome and showy border plants. Flowers borne in compact form on stout 3 and 4 ft. stems, having the appearance at a distance of orange and red colored spear heads. Require protection during winter, unless in a very sheltered position.

Grandis Pfitzeri. 2-3 ft. Aug.-Oct. The rich orange scarlet flowers come freely in late summer and often continue till late October. The great waxy flowers make a vivid splash of color and are an excellent cut flower. **Plants,** 3 for 85c; doz., $2.50.

8556 Hybrida Early-Flowering Mixed. These hybrids contain many interesting colors. Pkt., 25c.

TRITOMA—Continued

Tower of Gold. New. 3 ft. Vigorous plant with tall golden yellow blooms standing erect. **Plants,** 3 for $1.25; doz., $4.00.

8555 Uvaria Grandiflora. 4 ft. August-November. The ordinary red Tritoma. Pkt., 15c.

See other Tritoma plants on page 71.

THALICTRUM (Meadow Rue)

Culture: B (Feb. to July 15th), D or E (Mar.-July)

Though not of bright and conspicuous color, the feathery flowers of the Thalictrums are decorative and interesting, and their leaves, resembling the maiden-hair fern, are attractive both in the border and when cut. They grow easily from seed.

8540 ×Adiantifolium. 18 in. June-July. Light plumes of small whitish flowers. Pkt., 10c. **Plants,** 3 for 85c; doz., $2.50.

8541 Aquilegifolium. Feathered Columbine. Handsome foliage; sepals white, stamens purple. 3 ft. Pkt., 15c. **Plants,** 3 for 85c; doz., $2.50.

8545 Dipterocarpum. 4 to 5 ft. Aug.-Sept. Very graceful plumes of rosy-purple flowers with conspicuous yellow anthers. Pkt., 25c. **Plants,** 3 for $1.00; doz., $3.50.

8547 Glaucum. Fine cut glaucous foliage. Bronze-yellow flowers in June. 2 ft. Pkt., 15c. **Plants,** 3 for 85c; doz., $2.50.

8538 ×TEUCRIUM Chamaedrys. 8 in. Rose, grey leaves. Pkt., 35c.

THERMOPSIS

Culture: B (Feb. to July 15th), D or E (Mar.-July)

8548 Caroliniana. 3 to 5 ft. June and July. The long, graceful spikes of yellow lupin-like flowers blossom with the delphiniums and provide an excellent foil for their blues. Pkt., 25c. **Plants,** 3 for 85c; doz., $2.50.

VIOLA CORNUTA

For Seeds—See Annual and Novelty Pages.

×Admiration. Light blue. **Plants,** 3 for 65c; doz., $2.00.

×Jersey Gem. Short, bushy growth, blooming throughout the summer, having flowers of rich pure violet, large and fragrant. Long stems make it a good cut-flower. **Plants,** 3 for 85c; doz., $2.50.

×Lutea Splendens. Rich golden yellow. **Plants,** 3 for 65c; doz., $2.00.

×White Perfection. One of the finest whites. **Plants,** 3 for 65c; doz., $2.00.

VIOLA (Violet)

Culture: C (June-Sept.), Set out Sept.-Oct.

8580 Blue Sweet. Single, deep blue, common single violet. Pkt., 10c.

8581 ×Bosniaca. Free blooming, small rose magenta flowers. Pkt., 25c.

8580A Odorata. The Czar. "Sweet Violet." A magnificent single, fine blue, long stems, very fragrant. Pkt., 15c.

PLANTS OF HARDY SWEET VIOLETS

×Frey's Fragrant. Large deep purple single blooms, standing well above the heavy foliage. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

×Florence. Hardy single white, faint lavender markings. Fragrant, long stemmed blooms. **Plants,** 3 for $1.00; doz., $3.50.

×Prince of Wales. Grows anywhere. Large single fragrant. **Plants,** 3 for 85c; doz., $2.50.

See other violets on page 71.

8569 **VERBASCUM** Phoeniceum Hybrids. Pkt., **25c.** Plants, 3 for **85c.**

5796 **VIOLA** Jersey Gem. Pkt., **25c.** Plants, 3 for **85c.**

PHLOX Obergartner Wittig. Plants, 3 for **$1.00.**

PHLOX Thor. Plants, 3 for **85c.**

THYMUS (Mountain Thyme)

Culture: B (Feb. to July 15th), D or E (Mar.-July)

8549 X **Serpyllum, Wild Thyme.** Dwarf growing perennial herb with fragrant foliage. Delights in sunny spot, creeping habit. Purple flowers. Pkt., 25c. **Plants,** 3 for 65c; doz., $2.00.

8549A—X **Coccineum.** 2 in. Matted, dark green foliage; dark red flowers. June-July. Pkt., 25c.

TUNICA

Culture: B (Feb. to July 15th), D or E (Mar.-July)

8559 X **Saxifraga.** A pretty tufted plant with light pink flowers, produced all summer. Useful either for the rockery or the border. Pkt., 15c. **Plants,** 3 for 65c; doz., $2.00.

See also Page 71.

VALERIANA (Garden Heliotrope)

Culture: B (Feb. to July 15th), D or E (Mar.-July)

8565 **Alba.** Pure white, fragrant. Flowers in June, one of the most charming perennials. Pkt., 10c.

8560 **Rubra.** 2 ft. Sweet-scented purple rose. Pkt., 10c. **Plants,** 3 for 85c; doz., $2.50.

8564 **Mixed.** The above two. Pkt., 10c.

8566 **Officinalis.** 3 to 4 ft. Produces showy heads of rose-tinted white flowers during June-July with delicious strong heliotrope odor. Pkt., 25c. **Plants,** 3 for 65c; doz., $2.00.

8589 **WISTERIA Chinensis Blue.** Climber, purplish pea-shaped flowers. Pkt., 15c.

VINCA Minor (Grave Myrtle) X

Valuable for rockeries or makes a fine evergreen carpet under and about shrubs and trees. 4 in. June. Green foliage, large blue flowers. **Plants,** 3 for 65c; doz., $2.00; 100, $10.00.

Bowles Variety. A new European form showing great improvements over the ordinary type. Larger and glossier leaves and flowers. The plant stays in bloom much longer and the flowers are a charming intense shade of Periwinkle blue. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

VERONICA (Speedwell)

Culture: B (Feb. to July 15th), D or E (Mar.-July)

Hardy, herbaceous perennials varying in height from a few inches to 3 or 4 ft., and bear blue or white flowers in terminal spikes or racemes.

8571 **Amethystina.** 1 ft. June-July. Creeping foliage. Amethyst blue. Pkt., 25c. **Plants,** 3 for 65c; doz., $2.00.

8577 X **Incana.** Deep blue flowers, gray foliage 12 in. June-July. Pkt., 25c. **Plants,** 3 for 85c; doz., $2.50.

8576 **Longifolia.** 2½ ft. Spikes of light blue flowers, glaucous blue foliage. July-Sept. Pkt., 15c. **Plants,** 3 or 65c; doz., $2.00.

8572 X —**Hendersoni Nana.** It is more dwarf, being only 15 to 18 in. high and the flower spikes are a deep navy blue. Pkt., 25c.

X **Rupestris.** Dwarf and spreading. Deep blue flowers. May-June. **Plants,** 3 for 85c; doz., $2.50.

8573 X **Repens.** 1 in. Useful carpeting plant. Blue. May-June. Pkt., 25c.

VERONICA—Continued.

8570 **Spicata. Blue.** 2 ft. July-August. Small spikes of rich blue flowers. Pkt., 15c. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

—**Rosea.** 1 ft. Pure pink. **Plants,** 3 for 85c

8574 X **Teucrium Royal Blue.** 12 in. May-June Prostrate foliage brilliant blue flowers. Pkt., 15c.

VERONICA Subsessilis (Japanese Speedwell). 2 ft. July-Sept. Conceded to be the best of the Veronicas. It blooms latest of all, the large spikes of dark blue flowers are borne on stiff stems well above the foliage. **Plants,** 3 for $1.00; doz., $3.50.

Veronica Collection No. 85. One plant each, 5 varieties, our selection, for $1.00.

8575 **Perennial Varieties. Mixed.** Pkt., 15c.

8578 X **Prostrata Mixed.** Blue and white. Trailing. June-July. Pkt., 25c.

YUCCA (Adam's Needle)

Culture: B (Feb. to July 15th), D or E (Mar.-July)

8585 **Filamentosa.** 5-6 ft. or more. June-July. Broad swordlike evergreen foliage. The flowering stalks are 6 feet high, with large creamy white flowers. It likes loose dry soil and a warm situation. Pkt., 10c.
—**2-Year. Plants,** 3 for 85c; doz., $2.50.
—**3-Year. Plants,** 3 for $1.00; doz., $3.50.

Angustifolia (Soapwood Yucca). Long stiff narrow evergreen foliage, flowers large white or purplish.
—**2-year. Plants,** 3 for $1.00; doz., $3.50.
—**3-year. Plants.** 3 for $1.25, doz., $5.00.

Vaughan's Hardy Phlox

The flowering period is from the early part of July to the middle of September and they grow to heights varying from 1 to 3 feet. All Phlox supplied in one-year-old field roots except where noted.

The habit of growth is indicated by D=Dwarf, M=Medium, T=Tall.

Augusta. U.S. Plant Patent No. 252. Brilliant cherry red. Each, 50c.

Africa. I. Carmine red with darker eye. Large trusses. 3 for $1.00; doz., $3.50.

B. Comte. T. Wine purple of satiny sheen. 3 for $1.00; doz., $3.50.

Baron Von Dedem. T. Brilliant orange-scarlet with carmine eye. 3 for 85c; doz., $2.50.

Border Queen. D. Dwarf with massive heads of watermelon pink. 3 for $1.50; doz., $5.00.

Champs Elysee. M. Dark purple. 3 for 85c; doz., $2.50.

Daily Sketch. M. New. Outstanding and immense flowers, light salmon pink with carmine eye. 3 for $1.50; doz., $5.00.

E. I. Farrington. M. New. Large trusses of delightful salmon shade with lighter eye. 3 for $1.50; doz., $5.00.

Emain Macha. D. New. Dark flaming red. 3 for $1.50; doz., $5.00.

Enchantress. M. Bright salmon pink with lighter center. 3 for $1.00; doz., $3.50.

Europa. M. Large white florets with faint red center. 3 for 85c; doz., $2.50.

Feuerbrand (Fireglow). T. Bright scarlet, large trusses. 3 for $1.25; doz., $4.00.

Flora Reidy. M. Pure white. 3 for 85c; doz., $2.50.

Goliath. T. Tall and early flowering. Light reddish purple. 3 for 85c; doz., $2.50; 100, $15.00.

H. B. May. T. Large florets of silvery blush pink with darker center. 3 for 85c; doz., $2.50.

Leo Schlageter. D. New. Most vivid of the orange scarlet or fiery red phloxes. Large blooms. Good foliage. 3 for $1.50; doz., $5.00.

Miss Lingard. T. (Suffruticosa). Earliest to bloom. Large white, very small pink shadings. 3 for 85c; doz., $2.50; 100, $15.00.

Miss Von Lassberg. T. Tall white, very large flowers. 3 for 85c; doz., $2.50; 100, $15.00.

Mrs. Jenkins. T. Sturdy tall white. 3 for 85c; doz., $2.50.

Mrs. Milly Von Hoboken. T. Bright pink, faint mauve suffusion. 3 for $1.00; doz., $3.50.

Mrs. Scholton. M. Dark salmon pink, very large flowers. 3 for $1.00; doz., $3.50.

Obergartner Wittig. M. Late blooming. Enormous heads of large lilac-rose flowers with a lighter circle around a crimson eye. 3 for $1.00; doz., $3.50.

Painted Lady. T. Soft silvery pink with red eye. 3 for 85c; doz., $2.50.

Rheinlander. M. Salmon-pink intensified by a distinct claret-red eye. 3 for 85c; doz., $2.50.

Rosalinda. M. (Suffruticosa). Early flowering. Soft Amaranth pink flowers. A distinct novelty. 3 for $1.00; doz., $3.50.

Salmon Queen. T. A true, clear, salmon-pink of large size. Robust grower. 3 for $1.25; doz., $4.00.

RAINBOW-PHLOX COLLECTION
No. 85, $1.50, PREPAID

Contains one each, Goliath, light purple; Feuerbrand, red; Europa, white, faint red center; Starlight, mauve, white center; Painted Lady, silvery pink, red eye, and Thor, salmon pink.

NEW PHLOX "COLUMBIA"
A 1935 Patented Introduction

The new pink phlox offered and advertised in 1935 for the first time. Stocky, branching growth. Heavy, glossy, disease-resisting foliage and an abundance of large size cameo pink blooms, free from magenta shading, with faint blue eye, distinct from any other pink phlox. Long blooming habit and healthy productive growth set this variety in a class by itself. Each, 40c; 3 for $1.10; doz., $3.30; 100, $27.50.

Special French. M. Blush pink salmon eye. Big hydrangea type blooms. 3 for $1.00; doz., $3.50.

Starlight. M. New. Bright mauve with star-shaped white center. 3 for $1.00; doz., $3.50.

Thor. T. A deep salmon-pink suffused and overlaid with a scarlet glow. 3 for 85c; doz., $2.50.

Von Hochberg. M. Large size blood red blooms. The best deep red. 3 for $1.50; doz., $5.00.

Mixed. 1-year field-grown plants of a choice mixture of colors. 3 for 65c; doz., $2.00; 100, $12.00.

DWARF AND ALPINE PHLOX

Used in rock gardens, for ground covers, for borders and interplanting.

AMOENA. Charming native variety, bright pink flowers. 6 in. April-May. 3 for 85c; doz., $2.50; 100, $15.00.

DIVARICATA CANADENSIS. Blooms early April. Fragrant lavender flowers on stems 10 inches high. Prefers shade. 3 for 65c; doz., $2.00; 100, $12.00.

OVATA (Carolina). Rosy red flowers. 12 in. June-July. Same foliage as the late blooming sorts. 3 for 85c; doz., $2.50; 100, $15.00.

PHLOX SUBULATA
(Moss or Mountain Pink)

An early spring flowering type. Creeping, moss-like foliage completely covered by masses of bloom in May.

Subulata Alba. Dainty white flowers in May. 3 for 65c; doz., $2.00; 100, $12.00.

Subulata Brittoni. Valuable California species, recommended for hot dry locations. Starry white flowers, compact foliage. 3 for $1.00; doz., $3.50.

Subulata Atro-Purpurea. A new variety. Brilliant reddish purple flowers. 3 for $1.00; doz., $3.50.

Subulata Mrs. G. F. Wilson. Compact growth, heavy-bloomer. Lavender pink flowers in May and in the fall. 3 for 85c; doz., $2.50.

Subulata Lilacena. Pale lilac blooms in May. 3 for 65c; doz., $2.00; 100, $12.00.

Subulata Rosea. Dainty pink flowers. This and Alba are fine for graves. 3 for 65c; doz., $2.00.

Subulata Pink Cushion. New. More compact, more free flowering and a clearer pink than Rosea. 3 for $1.00; doz., $3.50.

Subulata Vivid. Dwarf in growth and most profuse bloomer of all types. Bright pink with fiery red eye. 3 for $1.00; doz., $3.50.

8340 **PHLOX Decussata.** 2-3 ft. June-Oct. Perennial varieties mixed from a celebrated collection. Seed slow and erratic in germinating, the seedlings may not appear for a year. 15c.

Peonies

Peonies may be planted in the fall or spring. Orders should be sent at once so that we can forward when weather permits. Avoid planting too deeply, as this is often the cause of the shy blooming; 2 inches of soil over the crown (eyes) being sufficient.

Choice Peonies

That have extra large blooms

Baroness Schroeder. Immense flesh white; late. 75c.

Claire Dubois. Clear satiny pink, late midseason. 75c.

Felix Crousse. Dazzling ruby-red. 50c.

Mary Brand. Beautiful vivid crimson; midseason. 75c.

Mons. Jules Elie. Huge lilac-pink; early. 75c.

Octavie Demay. Very large delicate hydrangea-pink. Very fragrant; dwarf; early. 50c.

Sarah Bernhardt. Rose-pink; late midseason. 75c.

Tenuifolia Flore Pleno. A very early species, in bloom two weeks ahead of any other Peony. Flowers are a full-double brilliant crimson and the foliage is finely cut like that of the Cosmos. Very rare and always scarce. Should be mulched the first winter after planting. $2.00.

Special Offer No. 85A. One each Baroness Schroeder, Felix Crousse and Mons. Jules Elie for $1.50.

Good Peonies at Bargain Prices

Any of the following, 40c each. Add for postage for 1 plant, 8c; for 3 plants, 16c.

Albert Crousse. Large flesh-pink; late.

Alexander Dumas. Light violet-rose; midseason.

Duc de Wellington. White tinted yellow; early.

Edulis Superba. Clear mauve-pink; early.

La Tulipe. Large light pink; late midseason.

Mme. Ducel. A small Mons. Jules Elie; midseason.

Marechal Valliant. American Beauty color; late.

Special Offer No. 85B. Three Peonies, 1 red, 1 pink, 1 white, our selection from good named varieties, labeled, for $1.00.

Evergreens for Rock Garden

BLACK HILL SPRUCE (Picea Canadensis Albertiana). A very compact growing Spruce from the Black Hills. Bright green to bluish foliage.

CANADIAN Juniper (Juniperus Canadensis). Of low spreading form with glaucous green foliage.

CREEPING Savin Juniper (Juniperus S. Horizontalis.) Low growing, trailing variety with attractive light green foliage.

PFITZER Juniper (Juniperus Pfitzeriana). Best of all evergreens. Of broad, spreading habit with rich green foliage.

MUGHO PINE. (Pinus Montana Mughus.) Of dwarf, round compact growth; foliage bright green in winter and summer.
2 each of the above, 8 to 10 in., 10 plants for **$3.95.**
1 each of the above, 8 to 10 in., 5 plants for **$2.25.**

House Plants from Seed

ACHIMENES Best Mixture

Culture: D or E (Jan.-March)

130 ÷ 1 ft. Tubular flowers of varied red, pink, purple and lavender tones, with contrasting throats, especially suitable for hanging baskets and pots. Blooms in six months from seed. Pkt., 50c.

ALOE Variegata

Culture: D or E (March-April); C(May-June)

243 **Variegata,** or "Tiger-Aloe", the finest and most favored quick-growing succulent with beautifully variegated leaves. 10 seeds, 25c.

ANTIRRHINUM Snapdragon

Culture: D or E (March-April)

See Also Novelties.

362 **Afterglow.** A beautiful bronze. Pkt., 50c.

367 **Bertha Baur.** Charming lavender or orchid shade. Pkt., 50c.

373 **Celestial** (Witterstaetter). New yellow. Pkt., $1.50.

374 **Ceylon Court Yellow.** Beautiful canary-yellow. Pkt., 50c.

375 **Cheviot Maid Supreme.** Early rose pink. Pkt., 50c.

394A **Kirkwood Beauty.** Bronze with a cast of gold. Pkt., $1.00.

395 **Lucky Strike.** Best pure white. Pkt., 50c.

395A **Marion Golden (Schumann).** Yellow, having the same characteristics as the white. Pkt., $1.50.

396A **Marion White (Schumann).** A real white, large close flowering spike on a strong sturdy stem, throwing small foliage. Pkt., $1.50.

377A **New Cincinnati.** Attractive fragrant light rose pink. Pkt., $1.00.

397B **New Deal.** Very early, fragrant, golden bronze. Pkt., $1.00.

398A **Nicholson Yellow.** A striking new bright yellow. Pkt., $1.00.

404A **Roman Gold.** A deep golden yellow with the lip a lighter yellow suffused with pink. Pkt., 50c.

408A **Rose Queen** (Witterstaetter). Dark pink. Pkt., 50c.

407A **Sunburst Improved.** Intense orange copper and golden yellow. Pkt., 50c.

400 **Terry's Surprise Improved.** Free and continuous flowering, flowers well placed, fine stems. Rich deep pink with bronzy orange. Pkt., 50c.

406A **White Prosperity.** Pure white. Pkt., $1.50.

402A **Velvet Beauty.** Rich American Beauty red in color, exceptionally stout stem and dark green foliage. Pkt., 50c.

407D **White Cheviot Maid.** Pure white, flowers beautifully placed. Pkt., 50c.

407B **Winter Helen.** Lovely salmon pink. Pkt., 50c.

409A **Yellow Cheviot Maid (Volz).** Outstanding yellow snapdragon. Pkt., $1.00.

426 **VAUGHAN'S MIXTURE OF GREENHOUSE VARIETIES.** A mixture of the forcing varieties we list. Pkt., 50c.

ASPARAGUS

Culture: C (June-Aug.) Pot up in fall, force in greenhouse.

480 **Plumosus Nanus (Lace Fern).** + 3 ft. The hard seeds need soaking and bottom heat to sprout them. Pkt. (25 seeds), 15c; 100 seeds, 50c.

485 **Sprengeri (Emerald Feather).** + Finest material for hanging baskets, etc.; the minute flowers, produced in racemes, are rose with orange anthers. Pkt. (25 seeds), 15c; 100 seeds, 50c.

CALCEOLARIA +

Culture: C (June-Aug.). Pot up in fall, force in greenhouse.

1180 **Hybrida Grandiflora (Pouchflower).** 1½ ft. A colorful greenhouse plant bearing a profusion of small, pocket-shaped orange or yellow flowers, many of which are beautifully tigered or spotted. Pkt. (300 seeds), 50c.

1179 **Multiflora Nana.** The average size of the blooms is only 1½ inch, but the amount of flowers produced is unsurpassed. The color scheme is extraordinarily gay and full of contrast. Pkt., $1.00.

1182 **Albert Kent's Hybrids.** A very lovely variety. The flowers are intermediate in size and produced in large graceful clusters. Pkt., $1.00.

1183 **Flower Cloud.** A cross between Rugosa and Grandiflora. Free flowering in all colors, very vigorous in growth. Pkt., $1.00.

1185 **Rugosa, Mixed.** Includes nearly all the beautiful colors found in Calceolarias. Pkt., 25c.

CHRYSANTHEMUM Cascade, see page 75.

Photo Courtesy of Lord and Burnham

CINERARIA HYBRIDA +

Culture: C (July-Aug.) Pot up in fall, force in cool greenhouse.

1715 **Vaughan's Columbian Mixture.** A mixture of the finest strains; the flowers from 7 to 9 inches in circumference, brilliant colors. Pkt. (75 seeds), 25c.

1716 **Cremer's Prize.** The petals in most of the blooms of this strain are wide, numerous and overlap well to form attractive heads. The plants can be finished in smaller pots, too, making shapely specimens covered with masses of blooms. Pkt., 50c.

1718 **Potsdam Strain.** Mixed. (Berlin Market or Weissensee). Taller and larger flowered than Cremer's Prize mixture. Pkt., 50c.

1726 **Hybrida Multiflora Nana. Gold Center.** 10 in. A new race producing dwarf plants with masses of small self-colored flowers with gold center. ¾-inch diameter, compact head over small and dainty foliage. Pkt., 35c.

1722 **Polyantha Stellata Mixed.** 2 ft. A mixture of blue, red, white and intermediate shades of star-shaped flowers. Pkt. (100 seeds), 25c.

1723 **—Feltham Beauty.** Similar to above but dwarfer, with larger flowers and broader petals, but retaining the true star shape. Pkt., 35c.

CYCLAMEN + 1 ft. Persicum Giganteum (Binnewies Strain)

Culture: C (June-Aug.)
Pot up in fall, force in greenhouse.

2001 **Bright Red.**
2002 **Pure White.**
2003 **Salmon Scarlet** (America Improved).
2004 **Salmon, Dark** (Glory of Wandsbek or Pearl of Zehlendorf).
2005 **Salmon, Light** (Rose of Zehlendorf).
2006 **Orange Beauty.** Orange vermilion.
2007 **Pink Pearl.**
2008 **Mozart.** Deep pink.

Price, each of above, pkt. (10 seeds), 30c.

2010 **Mixed.** 10 seeds, 25c; 25 seeds, 60c; 100 seeds, $2.00.

Vogt's Double Strain

2011 **Admiration.** Beautiful salmon rose with shaded eye.
2011A **Cerise Brilliant.**
2012 **Prosperity.** A flaming rose.
2013 **Rosea.** A soft rose with a coral cast shading lighter.

Price, each of double varieties above, 10 seeds, 50c.

EXACUM—Affine

Culture: D or E (Jan.-March)

2445 Greenhouse annual. 1 ft. high with numerous bluish-lilac flowers with yellow stamens of a very delicate fragrance. When sown in March or April, blooms from August or September until late in season. Pkt., 50c.

FREESIA

Culture: D, E or C (Jan.-July)

2456 **Tubergenii.** The singular form and delicious perfume of this flower have made it a great favourite for conservatory decoration and for cutting. Yields a profusion of bloom and can be successfully flowered within six months from date of sowing. The shades run from yellow to bronze, bronzy-pink, deep rose, and mauve, making delightful colouring. Pkt., 35c.

GLOXINIA

Culture: D, E (Jan.-March)

2560 **VAUGHAN'S INTERNATIONAL MIXTURE.** + 12 in. Magnificent house-blooming plants, with handsome bell-shaped flowers in a diversity of the richest colors. Pkt., 25c.

KALANCHOE

Culture: C (June-Aug.) Pot up in fall, force in greenhouse.

2964 **Globulifera var. Coccinea.** In form the flowers are similar to the well known Bouvardia flower, but the color is a very bright scarlet. They bloom in winter and flowers last a long time. Pkt. (100 seeds), 25c.

MARIGOLD

3122 **Lieb's Winter Flowering.** Mahogany brown with golden yellow crested center. Pkt., 50c.

3125 **Lieb's Winter Flowering Sunshine.** New. Golden orange, yellow center. Pkt., 50c.

MIGNONETTE

3224 **The Ball.** The flower spikes are especially heavy and lighter in color than other varieties. Pkt., 50c.

PRIMULA (Chinese Primrose) ÷

Culture: D or E (March-April); C (May-July)

4465 **VAUGHAN'S INTERNATIONAL MIXTURE.** Our mixture contains all the choicest colors of the single-flowering Primulas in all their dainty shades. Pkt. (100 seeds), 35c.

4466 **Dazzler.** A brilliant and unique shade of orange-red, exceptionally floriferous and long lasting, robust constitution. Award of Merit R. H. S. 1934. Pkt. (100 seeds), 75c.

Primula—Various Sorts

Culture: C (May-July). Pot up July-Sept., winter in cold frame.

4475 **Malacoides.** 10 in. The flowers are of a delicate shade of lavender, produced in whorls on tall graceful spikes in great profusion. Pkt., 25c.

4476 **—Dawkins Carmine Pink.** A vivid and distinct color. Pkt., 50c.

4478 **—Rosea.** Pkt., 25c.

4479 **—Salmon Red.** A desirable new shade. 50c.

4473 **—Snow Queen.** Large pure white. Pkt., 25c.

4474 **—Mixed.** All colors. Pkt., 25c.

4477 **—Double White.** Pkt., 50c.

Culture: D or E (April-May); A or B (May-June).

4481 **Kewensis.** 1 ft. Canary-yellow. Fine leaf, winter bloomer. Pkt., 25c.

Primula Obconica Grandiflora

Culture: D or E (Jan.-April); C (May-July). Winter in cold frame or greenhouse. Germination 3-4 weeks.

4491 **Better Days.** A new color, deep carmine red. The darkest and most pleasing Primula Obconica. Pkt. (200 seeds), 50c.

4485 **Appleblossom.** Pink.

4486 **Coerulea.** Heavenly blue.

4487 **Fassbender Red.** Flowers rich deep red.

4488 **Salmon Rose.** A beautiful shade.

4489 **Rhine Pearl.** Dark salmon-carmine.

4490 **Rosea.** Pink.

Price, each of the above, except Better Days, pkt. (200 seeds), 25c.

4495 **Obconica Grandiflora Mixed.** Good mixture. Pkt. (200 seeds), 15c.

Primula Obconica Gigantea

4500 **Gigantea Rosea.** A beautiful clear rose. Pkt. (200 seeds), 25c.

4505 **Gigantea Mixed.** Pkt. (200 seeds), 25c.

SAINTPAULIA ÷ 4 in.

Culture: D, E (Jan.-March)

4589 **Ionantha. African Violet.** A free and long-flowering pot-plant. Plants are dwarf, leaves like a Gloxinia, flowers beautiful blue with golden anthers, resembling large single sweet-scented violet. Pkt., 50c.

4588 **Kewensis.** The numerous shining blue flowers, reminding one of violets, contrast well with the dense light green rosette of leaves. Pkt., 65c.

STREPTOCARPUS

Culture: D, E (Jan.-March)

4826 **Largest Hybrids.** + 9 in. Handsome pot plants, bearing for a long time in succession large trumpet-shaped flowers, ranging from lavender, purple, and rose to pure white. Seedlings raised in early spring flower in summer. Pkt., 35c.

STOCKS, Non-Branching. See page 66.

Testimonial.

March 22, 1937

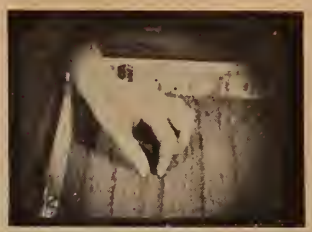
"I have been buying your seeds for more than twenty years with gratifying results here in California and at my old home in New Jersey. My garden is one of the show places of this little village and last year when our garden club had its first show I walked away with seventeen blue ribbons for specimen blooms; a few were for annuals bought locally but the majority were perennials raised from your seeds.

Yours very truly,
Miss J. P.
Inverness, Marin County, Calif."

FIRMING THE SOIL

MARKING THE ROWS

SOWING THE SEED


COVERING THE SEED

SOWING SEEDS IN THE INDOOR BOX

How to Sow Flower Seeds

IN FIVE paragraphs below, designated A, B, C, D and E, we cover in considerable detail the methods of starting flower seeds which are available to the amateur without a greenhouse, and which cover well the needs of an outdoor garden. In the flower seed section in the case of each flower listed, information is given as to the cultural methods which can be used for that subject, together with the most favorable time for propagating. While our cultural instructions are thorough, they should be supplemented by reading in good gardening books and by obtaining at first hand advice from successful gardeners in your neighborhood. Success in gardening requires study, and the opportunity for enlarging one's information and trying out new things is one of the most fascinating features of gardening.

A **Sow in the bed, border or row where the plants are to grow.** The soil should be loamy, with well pulverized surface. With heavy soil inclined to cake and crack, it is usually best to grow plants in a seed bed (B) and transplant to the permanent place. Loosen the soil where seeds are to be sown, with the trowel, or hoe, several inches deep. Rake smooth. Broadcast small seeds and cover them lightly four or five times their diameter. Very small seeds may be merely pressed in. Larger seeds may be planted singly, well covered, but more thickly than plants are wanted. Firm the soil well over the seed. Watering now becomes of great importance. At no time should the soil be allowed to become hard and dry, yet excessive watering may cause the seeds to rot, sour the soil, or cause "damping off." When the plants appear, thin them out, allowing each to grow singly, without crowding. The distance between them is governed by their ultimate size and spread. Excess plants may usually be moved to a new location.

B **Sow in outdoor seed bed, to be transplanted.** The seed bed in the open should be of loose, mellow loam, raised slightly above the surrounding surface, and preferably surrounded by a wooden curb, to prevent rain washing across it. It should not be wider than four feet, so it can be worked easily. Shelter from high winds is valuable, but damp and shady corners are not desirable. Full sun is advisable when seedlings are up, while shade when needed, as in midsummer for perennial seedlings, is best supplied by a lath or cloth canopy, which can be removed in damp and cloudy weather. Sow the seeds in rows which may be as close as five inches. Sowing and watering are the same as described in "A" above. Seedlings may be transplanted when they make true leaves, the second pair of leaves to appear; or they may be left until larger before being moved to their permanent location. Perennials should be moved from the seed bed to a nursery row, to grow until fall before being moved to the border.

C **Sow in flat, pot or pan outdoors or in a cold frame.** This method is applicable to slow germinating subjects, some of which may take a year to germinate. Fill the receptacle with potting soil as described in "D," firm the soil and broadcast the seed, covering four or five times their diameter. Place the receptacle in a shaded location, where there is free air circulation. During the spring, summer and fall, water often enough to prevent soil from drying out. A mulch of peat moss will help retain moisture. In winter, place in a protected place outdoors and cover with leaves. Have patience with slow germinating subjects; do not disturb too quickly. Any live seed will eventually grow if given time enough, provided soil, moisture supply, etc., are right. When seedlings appear and make true leaves, transplant to pots, nursery row or permanent location. If moss forms on soil surface, sprinkle fresh earth over top.

D **Sow indoors in a box, pot or pan.** This method may be followed where there is a window facing south, enjoying sunlight most of the day. Use a standard florists' pot or pan (shallow pot) or a "flat", which is a shallow box, with holes bored in the bottom for drainage. Cover the drainage holes in pot or box with broken pottery; fill with potting soil. This is a mixture of half sand and half black loam. It may be obtained from florists. Firm the soil, and sow the seeds in rows, marking each row to identify the sowing Water by setting the box or pot in water, so that it soaks up from below, or use a fine spray which does not wash the soil. Place in a dark place, covered with a wet newspaper blanket until the seeds sprout. As soon as sprouts appear bring into full light. Cover the box or pot with glass to check evaporation, but when moisture collects on glass wipe it off, and prop up one end of the glass to allow air to circulate during the sunny part of the day. A temperature not below 50 degrees at night, or 75 degrees by day, is best. Do not allow the soil to dry out. When the seedlings have made true leaves (the second set), they should be transplanted to other flats, giving at least two inches of space apart; or they may be moved to small pots or to an outdoor seed bed or border.

E **Sow in a hot bed or cold frame.** A cold frame or a hot bed heated by manure or other means may be used. The best method with flower seeds is to sow seeds in flats, which are placed in the frame. With manure heated beds, seeds should not be sown until the temperature of the newly made bed has dropped to 90 degrees. Watering and ventilation are important. On sunny spring days, always prop up one end of the sash to prevent overheating, which may occur quickly and cause spindly growth. Do not allow the soil to dry out. When the seedlings have made true leaves, they should be transplanted to other flats, spaced two inches apart each way; or to the soil in the hot-bed, or to an outdoor location, if late enough.

Gardening Books

DOUBLEDAY DOLLAR GARDEN BOOKS. These books are uniform in size and illustrated with many graphic line drawings and a halftone frontispiece. Bound in cloth. 96 pages. 5 x 7⅜.

A Year in the Rose Garden. By Dr. J. H. Nicolas—$1.00.

How to Arrange Flowers. By Dorothy Biddle—$1.00.

How to Grow Annual Flowers. By Victor H. Ries—$1.00.

How to Grow Perennial Flowers. By Victor H. Ries—$1.00.

How to Grow Vegetables and Berries. By Adolph Kruhm—$1.00.

How to Make Garden Pools. By William Longyear—$1.00.

Lilies in the Garden. By I. George Quint—$1.00.

Plant Propagation for the Garden. By Dr. David C. Fairburn—$1.00.

Plant Welfare; Recognition and Control of Pests and Diseases. By Victor H. Ries—$1.00.

Pruning and Repairing of Trees, Shrubs, and Ornamentals. By Victor H. Ries—$1.00.

The Wild Garden. By Margaret McKenny—$1.00.

Trees and Shrubs. By Arthur H. Carhart—$1.00.

GARDEN GUIDE. Entirely rewritten. Amateur Gardeners' Handbook. Deals thoroughly with most effective handling of every growing thing in the garden and home grounds. 300 photographic illustrations. 576 pages. $2.00.

GARDEN ENCYCLOPEDIA, AN ENCYCLOPEDIA OF GARDENING. Complete in one volume. Written by a group of American horticultural experts and edited by E. L. D. Seymour, B.S.A. A single big volume that gives you the scope and contents of a whole shelf full of garden books. More complete, more detailed, more understandable, more usable than any other garden book ever prepared. 1300 pages. 750 illustrations, including 250 photographs. $4.00.

GARDEN FLOWERS IN COLOR. By G. A. Stevens. The 400 brilliant and lifelike color plates of flowers contained in this book make it the greatest value that has ever appeared in picture books. And in the IMPERIAL EDITION of this popular book, the 400 color plates average less than ½c apiece. Unparalleled as a picture book—ideal as a gift—valuable as a means of identifying every popular garden flower. 320 pages. Formerly $3.75. Now $1.98.

Book prices are not prepaid; add 10c per copy if your order is to go by parcel post.

We find it impossible to catalog our complete line of books, but should you be interested in any horticultural subject not covered by the above, write for our book list.

GARDENING IN THE GREENHOUSE. By Anne Dorrance. This is the first book at a popular price which tells the gardener how to plan a small greenhouse — one that will not be expensive, yet adequate, and how to grow and cultivate flowers within a limited space. 122 pages. $1.50.

HOW TO GROW ROSES. By Robert Pyle and others. Every step in the successful growing of roses is made clear in this "how to do it book." It gives practical advice on how to use roses in the garden and around the home, how to buy them, locate the beds, prepare the ground, plant, label, care for in summer, fight pests, protect in winter, prune, and select types and varieties. 133 illustrations (45 in color). Eighteenth edition enlarged and entirely rewritten. 192 pages, $1.00.

MODERN DAHLIAS. By J. Louis Roberts. Edited by Leonard Barron. Mr. Roberts has been growing dahlias for twenty-five years and is qualified to write a modern manual designed to interpret the problems of the dahlia gardener, and to give detailed information on the care and culture of this interesting flower. Among the phases of present-day dahlia culture covered in this book are: soil, time of planting, staking, division of roots, fertilizers, watering, insects, diseases, pruning, propagation, storage exhibiting and judging. Varying conditions of soil climate and methods of growing have been considered. Illustrated with line drawings. Price, $2 00 To be published February, 11, 1938.

Hardy Garden Chrysanthemums

New and Recent Introductions

★ASTRID. New Hybrid of 1936. Dwarf growth literally smothered with large flesh-pink daisy-like flowers in early October. Extremely hardy.

GLOMERO. 1935 Introduction. Bright bronzy yellow medium size double blooms.

KING CUSHION. Also called Azalea-like mum. Very dwarf and early with crimson red flowers.

MARY JANE. Big double salmon-pink flowers with creamy centers.

MORIFOLIUM. 1936 Introduction. Panicles of ★cineraria-like bright pink flowers.

PANOLA. Dwarf growth and early. Medium double flowers of rose-pink.

QUEEN CUSHION. Also called Azalea-like mum. Very dwarf and early. Medium size double white flowers.

RUTH CUMMINGS. Double aster-like blooms. Bronzy terra-cotta shade.

SENSATION. 1935 Introduction. Single yellow, lightly tipped scarlet.

SONOMA. Double bronze. Gold tipped petals.

THE TORCH. Giant single. Burning orange scarlet.

TOPSY. 1935 Introduction. Bright yellow, decorative.

Varieties marked ★ are chrysanthemum species or hybrids.

Price of above: 3 for $1.00; doz., $3.50; 100; $20.00.

Large Aster Flowering

A. BARHAM. Large dark orange-bronze flowers.

ALADDIN. Earliest of all. Aster-like terra-cotta bronze.

CRIMSON SPLENDOR. Immense duplex blooms, crimson-maroon with bright yellow center. Early.

YELLOW NORMANDIE. Old favorite. Fluffy yellow showing buff in opening.

Price of above: 3 for 85c; doz., $2.50; 100, $15.00.

ELENA. Dwarf growth. Large double light bronze.

EMMETT. 1936 Introduction. Early bronze single. Dwarf and free flowering.

ILLCO. 1936 Introduction. A pink counterpart of Emmett.

NATOMA. Massive double dark rose-pink.

Price of above: 3 for $1.25; doz., $4.00; 100, $25.00.

For other Hardy Garden Chrysanthemums and Special Offers, see page 118 and inside back cover.

Button and Pompon Type

IRENE. Solid white medium button.

JEWELL. Stout full button. Dark orchid pink.

SEPTEMBER BRONZE. Early light bronze pompon. One of the best.

Price of above: 3 for 85c; doz., $2.50; 100, $15.00.

100 Strawberry Plants, $1.75

Strong Field Grown Plants, Shipped from Early Spring up to May 15

AROMA. Late. One of the most popular late varieties. Berry is roundish, conical, smooth and of a beautiful bright glossy red.

COOPER. Mid-season. The large size and the beautiful brilliant color of the berries immediately attract the attention of every one. This variety is adaptable to a wider range of soils and climate than any other variety.

DR. BURRELL. Mid-season. The berries are large, delicious and beautifully formed. It ripens a few days earlier than Dunlap.

GIBSON. Medium early. Color rich red. Flavor is neither sweet nor sour, but just right for canning.

PREMIER. Early. Berries are large, beautifully formed, red through and through; flavor delicious. A splendid shipper.

SENATOR DUNLAP. Mid-season. The fruit is dark red with glossy finish. The meat is a bright red all through and exceedingly juicy. It succeeds everywhere and with everybody—the beginner as well as the veteran grower.

PRICE, on the above varieties, postpaid up to the 4th zone, 25 for 60c; 100 plants for $1.50. Postpaid from 4th zone to 8th zone, 25 for 65c; 100 for $1.60. By express, at buyer's expense, 250 for $3.00; 500 for $5.50; 1,000 for $9.00.

Special Offer No. 119B.

A Strawberry collection, 100 fine strong plants (spring delivery only) in four good sorts, our selection, postpaid, for $1.75.

TWO NEW INTRODUCTIONS

DORSETT. Early. Will undoubtedly be a leader among early, heavy cropping varieties.

FAIRFAX. Medium early. Rich in flavor, uniformly large fruit in abundance.

PRICE, 25 for 75c; 100 for $1.75, postpaid to 4th zone. 500 for $6.00; 1000 for $10.50, by express.

MASTODON (Everbearing). The world's greatest everbearer because nothing like it was ever achieved before, producing nearly 6000 quarts per acre during August, September, October and November. In size, quality, flavor and appearance Mastodon heads the list.

Price, 25 for $1.00; 100 for $3.00, postpaid to 4th zone. 250 for $5.00; 500 for $8.50; 1,000 for $15.00, by express.

FANCY LEAF CALADIUMS

Semi-tropical bulbs with large variegated leaves ranging through pink, red or green and marbled and veined in contrasting colors. Much used as summer house plants. Our mixture embraces all the best varieties. Price, 35c each; $3.50 per doz.; $25.00 per 100.

Vaughan's Cannas

Cannas do well in full sun and respond quickly to fertilizing of well rotted manure. Blooming from early summer till frost, they give a gorgeous display without much expense or care.

SIX OUTSTANDING TYPES

*COPPER GIANT. 4 ft. The finest variety we know. Its giant flowers, borne on strong stalks with green foliage, are of a vivid hue, with great carrying power, of madder red and old rose with a suggestion of burnished copper in the mass effect. It bears continuously throughout the season.

EUREKA. 4 ft. Remarkably free-flowering variety with striking white flowers which first appear cream. Green foliage.

*KING HUMBERT. 4 ft. Scarlet flowers, bronze leaves. This remarkable "Gold Medal" Canna has been the sensation of the past fifteen years.

*LOUIS CAYEUX. 4 ft. Brilliant rosy scarlet. Large trusses. Showy and attractive variety. Green foliage.

*MRS. HERBERT HOOVER. 5 ft. A giant flowered variety. Green foliage and rich deep watermelon-pink flowers.

THE PRESIDENT. 4 ft. A rich glowing scarlet on strong stalks; green foliage.

*SUNGOLD. 4 ft. Very bright and vivid Chinese orange with golden yellow border. Green foliage. The most vivid yellow canna.

*YELLOW KING HUMBERT. 4 ft. Foliage a very dark green, flowers a deep rich yellow, softly spotted and blotched with bright red. An orchid flowering sport of the well-known variety King Humbert.

Prices of Above

Dormant 2-3 Eye Roots available Mar. 1 to April 15: 20c each; $1.75 per doz.; $12.00 per 100.

Three-inch Pot Plants available April 20 to June 5: 30c each; $3.00 per doz.; $18.00 per 100.

(*) Orchid Flowering Varieties.

TRIED AND TESTED VARIETIES

ALLEMANIA. 5 ft. Outer petals scarlet with broad yellow border, inside scarlet and dark red. Green foliage.

AMBASSADOR. 3½ to 4 ft. Bronze foliage; color, poppy red; very brilliant flowers.

*HUNGARIA. 3½ ft. The best pink Canna. Leaves bluish green, never burn. Flowers very large, with immense petals.

MRS. ALFRED CONARD. 4 ft. Flowers salmon-pink of large size. Green foliage.

*STATUE OF LIBERTY. 6 ft. An extremely vigorous grower. Bronze foliage and orange-scarlet flowers.

*WINTZER'S COLOSSAL. 5 ft. A striking vivid scarlet that retains its brilliancy.

Prices of Above

Dormant 2-3 Eye Roots available Mar. 1 to April 15; 15c each; $1.50 per doz.; $10.00 per 100.

Three-inch Pot Plants available April 20 to June 5; 25c each; $2.50 per doz.; $15.00 per 100.

Number of Cannas required for round beds planted eighteen inches apart each way: Seven feet—19 plants, one for center; six for first row, twelve for second row. Ten feet—37 plants, one for center; six for first row, twelve for second row, eighteen for third row. Thirteen feet—61 plants, one for center; six for first row, twelve for second row, eighteen for third row, twenty-four for fourth row.

All Canna plants F.O.B. our Greenhouses, Western Springs, Illinois. We recommend shipment by Express of four or more plants.

HUNGARIA.

PENNISETUM CUPREUM

The bronzy, ornamental Grass that attracted so much attention at A Century of Progress. Needs rich soil and sunny location. **Plants,** 35c each; doz., $3.00; 100, $20.00.

CALIFORNIA IDOL. Giant Yellow. Each, Tubers, $4.00; Plants, $2.00.

Outstanding Dahlias of Late Introduction

The following can be supplied in roots and plants except where noted. Pot plants ready about May 20th.

AMERICA'S SWEETHEART (I. D.) An immense pure yellow. When fully open, the blooms remind one of a giant chrysanthemum. Bush is of medium height and the flowers are held upright on top of an absolutely stiff stem. Price, each, Tubers, $1.50; Plants, 75c.

BETTE DAVIS. (S. C.) Bright, deep violet rose with slightly darker center. The splendidly formed Semi-Cactus blooms are full centered and held facing or up on long stems. Prolific bloomer and fine keeper. Achievement Medal winner and Honor Roll Dahlia. Price, each, Tubers, $1.50; Plants, 75c.

BUCKEYE GLORY. (I. D.) A glorified, large Mrs. Ide Ver Warner. Color clear lavender to deep lavender. The flowers vary in size from eight to eleven inches in diameter, with a depth of four to five inches. The bushes are extremely vigorous, with heavy foliage and fine habit of growth. All are uniform and they start blooming early and continue until frost. The stems are of good length and strong, holding the blooms facing and four to five inches above foliage. Buckeye Glory has won three certificates of merit. Price, each, Tubers, $5.00; Plants, $2.50.

CALIFORNIA IDOL. (I. D.) In our estimation this ★was one of the best of the 1935 introductions. It is a splendid grower and the giant yellow blooms are held upright on long stiff stems. This Dahlia has many show honors to its credit and it will be a popular variety for years to come. Very highly recommended. Price, each, Tubers, $2.00; Plants, $1.00.

CHALLENGER. (S. C.) Brilliant cardinal red of large size and perfect stems. Plant is a strong, vigorous grower with insect resistant foliage. Splendid for exhibition. Price, each, Tubers, $2.00; Plants, $1.00.

CLARA CARDER. (F. D.) This variety is a beautiful shade of cyclamen pink—in a color class by itself. Blooms 10 to 12 inches on strong stems. Plant is a vigorous grower and insect proof. Price, each, Tubers, $2.00; Plants, $1.00.

CORNELIA BRYCE PINCHOT. (I. D.) A glowing ★burgundy red of large size and perfect form. This variety has won many prizes on the show table and is recommended for exhibition purposes. Price, each, Tubers, $1.50; Plants, 75c.

FIRE BALL. (F. D.) Color brilliant scarlet which does not fade in the sun. While the blooms are not gigantic, they are very large and have great depth. The blooms are borne well above fine clean foliage on the best of stems. Plants are vigorous growers. A common weakness with reds is their inability to withstand heat. Fire Ball can take it. Winner of a Certificate of Merit and on the Honor Roll. Price, each, Tubers, $5.00; Plants, $2.50.

FRANK SERPA. (I. D.) Color is a pinkish lavender and white, very beautiful. A fine variety that should be in every garden. Blooms are large and stems perfect. Price, each, Tubers, $1.50; Plants, 75c.

GOLDEN BEAUTY. (I. D.) The color of its center petals is apricot yellow splashed with Jasper pink, then the yellow petals become very faintly tinted with alizarin pink throughout, so the general tone is pinkish yellow. Golden Beauty is just naturally large, having cut many blooms twelve to fourteen inches in diameter, always with fine centers. Plant growth vigorous, healthy, with dark green insect-resistant foliage, stout stems that carry the giant blooms in erect facing position. A Dahlia fully worthy of all the honors bestowed upon it. Price, each, Tubers, $7.50; Plants, $3.75.

Dahlias

IN THE following we offer what we consider the best of the Foreign and American Dahlias. We will supply **Pot-Grown Plants and roots** of the newer varieties and strong roots of proper planting size on all other varieties listed. Pot plants we do not advise planting before **May 20th.** With good care and soil, the pot plants make larger blooms.

KEY TO ABBREVIATIONS: F. D., Formal Decorative; I. D., Informal Decorative; S. C., Semi-Cactus; Str. C., Straight Cactus.

PROLONGING THE LIFE OF CUT DAHLIAS

Many plans have been tried to make Dahlias look well when cut. We have found that the hot water treatment is the most effective. After the Dahlias have been cut the foliage is stripped from the stem except at the top; recut the stem and immerse in water as hot as the hand can bear, being sure that none of the foliage gets in the water. When the water cools the dahlias are transferred to a pail of cold water and left in the cellar over night. We have found that they keep several days and increase in size.

HILLCREST NUGGET. (I. D.) The color is nugget ★bronze with troubadour red reverse, a most unusual and attractive combination. It is a very profuse bloomer and the flowers average 9 to 11 inches in size, carried on strong stems well above the foliage. A strong robust grower. On Hart's latest Honor Roll. Price, each, Tubers, $1.50; Plants, 75c.

HUNT'S VELVET WONDER. (I. D.) Here is a Dahlia of great size and beauty. The color is a rich violet burgundy and the stems and plant growth are unusually good. Fine for exhibition — a sure winner. Price, each, Tubers, $1.50; Plants, 75c.

JESSICA DRAGONETTE. (S. C.) A large semi-★cactus variety in a beautiful color combination, peach, apricot, and mauve, perfectly blended. A strong, vigorous grower with fine stems and tough foliage. Price, each, Tubers, $1.50; Plants, 75c.

LORD OF AUTUMN. (I. D.) Declared by experts ★the finest yellow yet produced. A rich deep golden yellow 11 to 12 inches in diameter and 7 to 9 inches deep. The pointed and slightly twisted petals recurve till stem is entirely hidden for 6 inches or more, making the flower resemble a giant Chrysanthemum. The blooms are good keepers, and plant a strong grower with cane-like stems carrying the blooms well above the foliage. Price, each, Tubers, $1.50; Plants, 75c.

MAN O'WAR. (I. D.) One of the best dark reds on ★the market. A strong, vigorous grower with giant blooms, long straight stems and insect-proof foliage. The color is rich, dark carmine red with plenty of glow and life. Price, each, Tubers, $1.50; Plants, 75c.

MARGRACE. (I. D.) Certainly one of the finest Dahlias we have grown from every viewpoint. The color is a brilliant scarlet, tipped and striped with gold. Flowers up to 14 inches, on strong stems. Plant growth healthy and vigorous. We recommend it strongly. Price, each, Tubers, $3.00; Plants, $1.50.

MILTON J. CROSS. (I. D.) Face and center of flower a clear sulphur yellow with shadings of burnt orange together with rose and coral shadings in the outer petals giving the flower a glowing appearance. Can be grown to exceptional size flowers, borne on very strong long stems; bush is a clean grower with heavy insect resistant foliage. Winner of three Achievement Medals and many other awards. Price, each, Tubers, $5.00; Plants, $2.50.

MISS BELGIUM. (Str. C.) One of the best of the cactus varieties, a foreign introduction of unusual merit. Color is scarlet orange, stems are perfect and it is a vigorous grower. Price, each, Tubers, $1.50; Plants, 75c.

MISS OAKLAND. (F. D.) Without a doubt this is the best white formal decorative dahlia yet introduced. Perfect habit of growth, free flowering; unexcelled for cut flower or exhibition. Honor Roll, A.D.S. Certificate of Merit, Storrs and East Lansing. Price, each, Tubers, $5.00; Plants, $2.50.

MURPHY'S MASTERPIECE. (I. D.) A dark red ★shading toward garnet, it will withstand sun without fading or burning. The flowers grow 14 inches and over in size. The plant is a strong grower and a generous producer of large blooms held high on rigid stems. Price, each, Tubers, $2.00; Plants, $1.00.

OAKLEIGH MONARCH. (I. D.) A clear, brilliant ★cerise red with broad petals. Very large blooms of great depth which keep well when cut. By actual test blooms have kept for seven to ten days in perfect condition. Strong, rugged grower with heavy foliage and strong stems. An Honor Roll Dahlia of great merit. Price, each, Tubers, $2.50; Plants, $1.25.

LORD OF AUTUMN.
Each, Tubers, $1.50; Plants, 75c.

OAKLEIGH PRINCESS. (S. C.) The sensational new Honor Roll Dahlia. A semi-cactus of immense size and in a beautiful new color, lemon yellow overcast scarlet red. Blooms 8 to 12 inches in diameter without forcing, held erect on strong, stiff stems two to three feet long. A healthy, vigorous grower with tough insect-resistant foliage. Oakleigh Princess is a seedling of Satan and reflects all of the good qualities of its parent. Price, each, Tubers, $2.50; Plants, $1.25.

QUEEN CITY. (F. D.) Color scarlet-pink or light ★cherry red. This new cut flower variety without question is outstanding in color and is very attractive, keeping well when cut. From May planting it produces flowers from July until frost. Strong grower with long and straight stems. Won an Achievement Medal at Indiana State Show and one in Cincinnati. Price, each, Tubers, $2.50; Plants, $1.25.

RED JUG. (S. C.) Cardinal red tipped yellow, averaging ten inches diameter and five deep. It had numerous prizes and medals to its credit as an undisseminated variety in 1934 and 1935, also winning certificate of merit at Storrs, 1935. The flowers have remarkable lasting qualities when cut. Price, each, Tubers, $2.50; Plants, $1.25.

WENOKA. (F. D.) Here is a new formal decorative ★which is a giant among giants. The color is rosy mauve and the immense blooms are held upright on stems that are stiff and straight — at least 24 inches to first set of leaves. The foliage is like leather, dark green in color, and absolutely insect-resisting. Wenoka is particularly outstanding in every respect—growing habits, color and huge size. We recommend Wenoka very highly and predict that it will be a mighty popular variety for years to come. Price, each, Tubers, $1.50; Plants, 75c.

PINK TONES

Roots Only

BUCKEYE BRIDE. (F. D.) A geranium-pink, a rare ★and beautiful shade. The flower is large, held at a correct angle on the stem, and the stems are always long and perfect. It keeps well when cut. The heavy foliage successfully resists sucking insects and mildew. Price, each, 50c.

CAVALCADE. (F. D.) A beautiful new shade of old ★rose or mulberry pink. Flowers seven to nine inches carried on long stiff stems. A commercial variety of as much importance as the famous Jersey's Beauty. Price, each, $1.00.

CONGRESSMAN WOLVERTON. (I. D.) Bright ★salmon-pink. Strong upright grower with long, stiff stems. Price, each, 35c.

COUNTESS OF LONSDALE. (Str. C.) A delicate apricot shading towards the edges of the petals to carmine-pink. Early. Price, each, 35c.

DOROTHY STONE. (I. D.) A true deep shade of pink. Very full center, petals thick and evenly placed. A profuse bloomer. Price, each, 35c.

DR. JOHN H. CARMAN. (F. D.) A large, deep, ★broad petaled tyrian rose flower tipped petunia and silver borne on stiff and heavy stems. Price, ea., 35c.

JERSEY'S BEAUTY. (F. D.) It is still in a class by ★itself. A perfect bloom of eosine pink, carried high above the foliage on a long, wiry stem. Price, each, 25c.

JOSEPHINE G. (S. C.) A beautiful, true rose pink ★flower with petals tipped yellow. Very well recommended. Price, each, 50c.

LOUIS BATES. (S. C.) Mallow pink with dark phlox ★purple center. Giant blooms on perfectly straight stems. Price, each, $1.00.

MARSHALL'S PINK. (F. D.) Color a beautiful deli-★cate pink. Jersey Beauty formation produced on long, stiff stems. Price, each, 50c.

DAHLIAS—PINK TONES—Continued

MRS. IDE VER WARNER. (F.D.) A refined mauve-★pink beautifully formed. Large blooms carried on long, strong wiry stems. A free continuous bloomer. Price, each, 25c.

MRS. A. B. SEAL. (I. D.) A pure rich glowing old ★rose without trace of other color. Long stems, stiff and straight, hold the large blooms well above the foliage. Price, each, 35c.

PAPILLON. (S. C.) A highly rated cactus dahlia. It ★is of beautiful formation and coloring, being a blend of old rose and gold. Price, each, 25c.

SHARAZAD. (I. D.) Deep rose pink, large flowers on good stem, a good exhibition variety. Price, each, 50c.

VALENTINO. (F. D.) Color, true salmon pink, shad-★ing to cream at center. A dahlia attractive in formation which blooms prolifically on good stems and remains true to type throughout the season. Is an upright grower. Price, each, 35c.

W. H. T. (F. D.) A rich old rose with mauve shading ★on reverse. A long-stemmed variety of perfect petal formation and healthy growing habit. Foliage dark green and insect-resisting. Price, each, 35c.

RED TONES

Roots Only

BAGDAD. (F. D.) An immense flower of flaming ★scarlet-red, borne high above the foliage so that it may be seen all over the garden. A prolific bloomer, flowers are of great size and fine for exhibition. Price, each, 50c.

CHINESE LANTERN. (I. D.) Color scarlet red, backs of petals orange yellow. We call it an improved Jersey Beacon. A very rugged grower, with strong stems and dark, leathery foliage. Price, each, $1.00.

CITY OF CLEVELAND. (I. D.) The color is a bright scarlet splashed with orange and the blooms, which average from 8 to 11 inches in diameter, are held upright on strong stems. Price, each, 75c.

CITY OF WELLSTON. (F. D.) Rhodamine purple. ★Flowers of large size and perfect quality on long, straight stems. An early and prolific bloomer and blooms continuously until frost. A strong, healthy grower. Price, each, 35c.

COQUETTE. (S. C.) A very large, deep flower of red and gold. Price, each, 35c.

DADDY KEMP. (I. D.) The blooms of this new variety often reach 14 inches in diameter and 5 inches in thickness. Color is a rich violet red and the plant is a robust grower. Because of the size of the flowers, the stems are inclined to droop. Price, each, $1.00.

DWIGHT W. MORROW. (I. D.) An immense car-★dinal red dahlia—unusually rich in color and quality. This variety always attracts very much attention in our gardens. The massive flowers, which reach a size of 10 inches across by 6 inches deep, are sometimes supported with difficulty by the stems on account of the weight. Price, each, 75c.

FLORENCE FLORY. (S. C.) Dark maroon, almost black. Flowers carried on strong, wiry stems well above the foliage. Strong grower with heavy foliage. Price, each, 75c.

FOREST FIRE. (I. D.) It is, as the name indicates, ★a flashy color—lemon yellow and rich scarlet. A strong grower and profuse bloomer for such a large Dahlia. Stems are a trifle short unless carefully disbranched. Price, each, $1.00.

FORT MONMOUTH (F.D.) A rich crimson maroon ★with a hue of bluish violet at tips of petals. Free bloomer and foliage is dark green. Flowers frequently 13 in. in diameter. Price, each, 50c.

GERTRUDE BRINTON. (F. D.) True brick red. Large well shaped flowers carried on strong stems. Plant strong, with heavy foliage of medium height. Price, each, 35c.

GOODNIGHT. (I. D.) A monster in size and the rich color of oxblood red shaded maroon; is the greatest attraction in the garden and in the show room. Price, each, 75c.

HILLCREST MANDARIN. (I. D.) A beautiful informal of huge size with perfect stems and healthy habit of growth. The color is pirate red with amber reverse and the petals twist and curl very artistically. Price, each, 75c.

JAMES KIRBY. (I. D.) A rich crimson coloring that ★is of dazzling brilliance and does not fade or burn in the sun. The plant is sturdy in growth and its clean-cut foliage affords a pleasing contrast to the beautiful blooms. Price, each, 75c.

JANE ROSS. (I. D.) Bright crimson overlaid with ★velvety maroon. Flowers of large size, depth, and substance, keeping well on the bush or after cutting. It attains a height of 5 to 6 ft., with many branches, each terminating with a giant bloom held erect. The foliage is leathery and resistant to insects. Price, each, 75c.

JERSEY'S BEACON. (F. D.) The color is Chinese-★scarlet with a paler reverse, giving a two-toned effect. Flowers are very large and globular in form. Price, each, 35c.

KENTUCKY RED. (I. D.) This Dahlia is a favorite ★with us and our visitors on account of its brilliant scarlet red color—there is no color just like it. Blooms 8 to 11 inches on long, stiff stems. The bush is a strong, insect-proof grower. Price, each, 50c.

KING OF THE BLACKS. (F. D.) Darkest rich vel-★vet red, almost black. Compact, vigorous grower. Bush is low and spreading with blooms high above the foliage. Price, each, 50c.

MINA BURGLE. (I. D.) Flowers of gigantic size. A most glowing brilliant scarlet. Price, each, 25c.

MONMOUTH CHAMPION. (F. D.) Color a bril-★liant orange flame. Extra large blooms carried on perfect stems well above foliage. A consistent prize winner in every show. Price, each, 25c.

MRS. A. E. WHEELER. (F. D.) Fuchsia shading purple, reverse silvery white. Fine, well-shaped flowers carried well above the foliage on fine stems. Price, each, 50c.

MRS. GEO. LE BOUTELLIER. (I. D.) A rich vel-★vety carmine, giant in size and outstanding in all respects. A healthy, vigorous grower with strong stems and insect-resistant foliage. We had blooms of this in 1935 that were easily 14 inches in diameter. Price, each, $1.00.

MRS. L. L. HOOK. (F. D.) Color blended shades of purple, lighter reverse. Large blooms with wide pointed petals. The bush is tall, with insect-resisting foliage. Price, each, 50c.

OMAR KHAYYAM. (F. D.) A Chinese red at the ★base of petals, shading to a bright orange with paler tips, giving a soft effect. The flowers can easily be grown over 10 inches. Price, each, 50c.

PORTHOS. (F. D.) Sparkling deep red flowers of magnificent size and even form. A robust, profuse bloomer. Price, each, 25c.

PRESIDENT FRANKLIN D. ROOSEVELT. (F.D.) Very large Chinese red with fawn edge and creamy reverse, making a very striking bloom. Stems splendid. Fine variety and won Certificate of Merit. Price, each, $1.00.

PRIDE OF FT. MORGAN. (F. D.) A giant intense red with good depth. It is one of the most attractive and perfect red. A strong grower with good stem. Price, each, 50c.

PRINCE OF PERSIA. Rich glowing crimson. Great ★size and substance, often 9 to 11 inches across. Strong grower. Price, each, 50c.

RUBY TAYLOR. (I. D.) A prize winner which has ★met with instant approval wherever grown. The color is carmine and the large deep blooms are supported by perfect, long stiff stems. Price, each, 75c.

SATAN. (S. C.) A flaming red cactus with a slight ★touch of gold at the center. The exquisite coloring is fascinating. The blooms regularly measure from 10 to 12 inches in diameter and 6 inches in depth. Price, each, 75c.

SUPREME KING. (F. D.) A bright, very pleasing color American Beauty rose. Of good substance and good keeper. Excellent plant growth, free bloomer, flowers 10 inches across, stems perfect. Price, each, 75c.

THE WORLD. (F. D.) A rich, deep rosy magenta ★overlaid garnet and with silver shadings on the edges of the petals. The stems are perfect. Foliage heavy and resistant to insects. Price, each, 50c.

W. H. HOGAN. (F. D.) Garnet red with white tips ★running down the center of the petals, every petal coming true to color. One of the best variegated dahlias to date. Price, each, 35c.

SATAN. Giant Red Cactus.
Each, Tubers, $1.00; Plants, 50c.

ORANGE TONES

Roots Only

AMELIA EARHART. (S. C.) Very large, apricot-★buff with primrose at base of petals, lighted throughout with flashes of salmon. It has the distinction of winning two American Home Achievement Medals the first year shown. Price, each, $1.00.

EDNA FERBER. (S. C.) Color glistening coral, shad-★ing to old gold at base of petals. The size and beauty of this flower still attract much attention. The petals are curled and twisted, forming an extremely full flower. Price, each, 75c.

ELISSA LANDI. (F. D.) Color is jasper pink blended ★with warm buff, giving an effect of brilliant orange. Blooms average eight to nine inches without forcing, on stems of long length and strength. Plant is a strong grower and foliage insect-resisting. Price, each, 75c.

GIRL OF HILLCREST. (I. D.) Color is apricot-buff ★or cadmium-orange. A vigorous grower with long stems. You will derive a great deal of pleasure from growing this fine variety as it blooms early and continuously. Price, each, 50c.

HERCULES. (F. D.) A giant bloom of tangerine and deep yellow with reverse of petals a deep tangerine. Price, each, 25c.

HILLCREST FLUFFY RUFFLES. (I. D.) The ★color is a soft apricot. The blooms are extra large and the petals are fluffy and curled. It is a profuse bloomer with good stems and insect-resisting foliage. Price, each, 50c.

HONORE BRIGHT. (F. D.) It has a clear self color ★of pure bright bronze and late in season a clear soft orange. The stems are extra long and the plant needs no topping to produce from six to ten or more fine long upright canes. An early free continuous bloomer. Price, each, 75c.

KENTUCKY. (F. D.) A brilliant salmon-orange ★shading to grenadine-pink on outer petals. This dahlia has the same ideal characteristics as Jersey Beauty, of which it is a sport and apparently a stronger grower. Price, each, 35c.

MYRA HOWARD. (I. D.) A glowing combination ★of yellow cadmium and gold with tints of salmon. Petaloid formation which, with its delicate coloring, makes a most pleasing large bloom. Price, each, 50c.

ORIENTAL GLORY. (I. D.) Color is cadmium ★orange overlaid with scarlet. Center and reverse heavily shaded scarlet. Is a strong grower and free bloomer. The large flowers are carried on strong stems well above the foliage. Price, each, 75c.

PALO ALTO. (S. C.) The color is bright salmon with ★deep primrose shading at the center. The flowers, of good substance and size up to 12 inches across by 6 inches in depth, held high above the foliage on straight, stiff stems. A strong healthy grower. Price, each, 75c.

PEACH BEAUTY. (F. D.) A beautiful peach-colored ★variety. A very free bloomer with medium-sized flowers carried on strong, straight stems well above the foliage. Strong, upright grower attaining a height of 6 to 7 feet. Price, each, Tubers, 75c.

PRIDE OF STRATFORD. (I. D.) A large two-tone orange variety with a very deep reverse. Vigorous growing plant. Price, each, 35c.

ROSE FALLON. (F. D.) Color dark orange tinted ★with amber and salmon. Massive blooms stand well above a vigorous growing bush. Price, each, 35c.

RUDY VALLEE. (S. C.) Reddish apricot, gold cen-★ter. It has size, beauty, keeping qualities and is very attractive. Flowers are full-centered and are held well above the clean-cut foliage on long, straight stems. Growth vigorous. Price, each, 75c.

SAGAMORE. (F. D.) An exceptionally fine exhibi-★tion or cut flower of a golden color, shaded toward the center with warm salmon-rose or orange-buff. Stems straight and stiff. Price, each, 35c.

TACOMA'S BEAUTY. (F. D.) Deep salmon pink ★blended with strawberry pink and shading to gold at base of petals. Not only is it a profuse bloomer but the flowers are large and the stems unusually long and straight. One of the best cut flower varieties on the market and a splendid keeper. Price, each, 75c.

WHITE TONES

Roots Only

CHEMAR'S EUREKA. (F. D.) One of the most beautiful white dahlias, with a faint tinge of lavender on edge of petals. Flowers produced freely on long, stiff stems, are of exhibition size. Plants are of tall habit of growth with dark green foliage. Price, each, 25c.

IDA PERKINS. (F. D.) A good garden and exhibition white dahlia with most excellent habits. Price, each, 35c.

JEAN KERR. (I. D.) A snow white dahlia. A very ★free bloomer with medium size blooms of perfect shape. Fine cut flower variety. Price, each, 35c.

MARGARET WOODROW WILSON. (I. D.) Face ★of petals creamy white, reverse Phlox-pink. Petals broad and well placed, terminating in points, strong upright stems, dark green foliage. Medium height bush. Price, each, 25c.

STAR OF BETHLEHEM. (S. C.) Flowers are pure ★white with fine pointed petals with large tight center. Free bloomer and needs disbudding and pruning; plant will then produce fine exhibition blooms. Medium to tall habit of growth with heavy foliage. Price, each, 75c.

WHITE KING. (F. D.) A pure white, large flowering ★dahlia of very beautiful form and substance. Free flowering on long stems. Splendid for the garden, cutting or for exhibition purposes. Price, each, 35c.

WHITE WONDER. (I. D.) This sensational variety ★is truly a white Fort Monmouth. The giant blooms are pure white with long twisted and curled petals, size 12 to 14 inches across by 7 to 9 inches in depth. Foliage thick, leathery-like and resistant to insect attacks. For exhibition purposes it can't be beat. Price, each, 75c.

DAHLIAS—Continued

AUTUMN TONES
A Combination of Several Colors

BARBARA REDFERN. (F. D.) Color is a delightful ★blend of old rose and old gold, of immense size and great depth, flowers borne on heavy stiff stems. Price, each, 35c.

CITY OF TRENTON. (I. D.) Fine autumn-colored dahlia; front of petals tangerine, reverse strawberry-red; flowers are very large, held erect on fine long stems. Price, each, 50c.

JANE COWL. (I. D.) A large flower of a warm buff ★and old gold, blending to a bright salmon at the center. The giant flowers are held aloft on rigid stems. A superb dahlia. Price, each, 35c.

NATHAN HALE. (F. D.) A rich autumn bronze of ★medium size and an excellent keeper. It is much prized by private gardeners for its ability to produce an abundance of blooms. Price, each, 35c.

YELLOW TONES
Roots Only

AVALON. (I. D.) Pure, clear yellow. The large ★flowers are very distinct and produced in great abundance. Price, each, 35c.

BUCKEYE KING. (F. D.) A very large glowing amber yellow on splendid stems. Plants are strong healthy growers and are always covered with blooms. Price, each, 50c.

FRAU O. BRACHT. (Str. C.) Color is clear pale ★primrose yellow, very clean and graceful in effect. Its distinctive form and clean-cut beauty gave it a place of honor. It is a wonderful cut flower as well as a great prize winner at the shows. Price, each, $1.00.

GOLDEN ECLIPSE. (F. D.) A clear golden yellow ★flower with salmon and flesh shading toward the center. A vigorous grower. Exhibition blooms may be cut with stems 3 to 4 feet long. On the Honor Roll. Price, each, 50c.

GOLDEN STANDARD. (S. C.) A fine new variety ★of clean outstanding appearance. Good Cactus form and the blooms, while carried at right angles on the stems, always look you right in the face. The color is buff shaded to amber and gold. Price, each, $1.00.

KAY FRANCIS. (S. C.) A light lemon yellow semi-★cactus, something on the order of Frau O. Bracht. This Dahlia appears to have a splendid show record, according to reports, and we believe it will be a popular variety for several years. Each, $1.00.

PENN CHARTER. (I. D.) A very attractive, well-★formed dahlia of exhibition size with good center and stem. Color is a clear golden yellow, tinted apricot, and is a deep massive graceful flower. Price, each, 35c.

SEAL'S CALIFORNIA. (F. D.) The color is a bright ★golden-yellow at the center, shading lighter. A very large, attractive dahlia with perfect stems, strong and cane-like, holding the blooms in a very showy manner. Price, each, 50c.

SON OF COMMODORE. (I. D.) The color is ★martin's yellow with white reverse. Blooms are enormous in size, often reach 12 inches under normal culture. The plant is a strong, healthy grower, about 5 feet tall. Price, each, 50c.

SULTAN OF HILLCREST. (F. D.) One of the larg-★est we have ever grown. Color, strontian yellow with sunrise yellow reverse. Good, strictly formal decoratives are scarce and this dahlia will be a welcome addition to every garden. Blooms up to 14 inches are not uncommon and the bush habits and foliage are perfect. Price, each, $1.00.

THE COMMODORE. (I. D.) A brilliant lemon-yellow with large blooms. Plant is a medium grower with spreading habit and of sturdy growth. A prolific bloomer, the bushes being literally covered with blooms throughout the season. Price, each, 35c.

TOWERS EMPIRE. (I. D.) 1935. Here is a variety ★we do not hesitate to recommend to our customers. The flowers are large, up to 14 inches, and the color is clear gold with amber shadings. Stems are exceptionally long and straight and hold the huge blooms well above the foliage. An early and prolific bloomer. Price, each, $1.00.

LAVENDER AND VIOLET TONES
Roots Only

BUCKEYE QUEEN. (F. D.) A clear lavender or ★mallow pink that keeps when cut and is always full to center. A strong, vigorous grower with flowers six to ten inches in diameter with great depth of flower. It has many winnings to its credit. Price, each, $1.00.

CLARA BARTON. (F. D.) Face of petals silvery ★orchid, reverse of petals deep lavender. The giant blooms face slightly upward on long, straight stems, twelve inches or more to first set of leaves. Bush is of medium height and never stunts. A very free bloomer. Price, each, $1.00.

GRACE CURLING. (I. D.) Large size lilac blooms ★of beautiful form with notched petals. Very broad florets. No disbudding or trimming to have equally as large blooms at the end of the season as when they first bloom. Price, each, 75c.

HARRY MAYER. (F. D.) Color is a silver-lavender with the reverse of the petals deep lavender. Sturdy growing habit and heavy texture. Price, each, 35c.

LAVENDER AND VIOLET TONES—Continued

JESSIE CRAWFORD. (I. D.) A fine new novelty of large size and perfect formation. The color is bright orchid or violet red, stems are long and straight and the plant is a splendid grower. Price, each, $1.00.

JEAN TRIMBEE. (I. D.) Color of richest deep pe-★tunia violet, of immense size, borne well above the foliage on stiff rigid stems. A free bloomer of strong, vigorous habit. Price, each, 50c.

KEMP'S VIOLET WONDER. (I. D.) The predomi-★nating color is a rich napthaline-violet with underlying tone of royal purple, lightening to bluish violet at tips with lavender reverse. Price, ea., 50c.

MARY ELLEN. (F. D.) Color lavender pink, but more lavender than pink. Centers are closed the entire season, stems long. Price, each, 35c.

SANHICAN'S BLUEBIRD. (I. D.) The color is a ★most uncommon shade. The outer petals at maturity are bright violet-blue, while the center retains the violet tint. Price, each, 50c.

THOMAS A. EDISON. (F. D.) A royal purple with a brilliant rich finish. The size is large and the petals are of a stag-horn formation. Has every desirable habit, including a rich green foliage. Price, each, 50c.

WASHINGTON GIANT. (I. D.) It is unusual in form and color, a giant in size, and the stems are perfect. Color is pure lavender streaked with silver. We had many blooms over 12 inches with normal culture. An Honor Roll variety. Price, each, $1.00.

SHOW OR BALL SHAPED
Price any of the following, each 25c, except where noted. Roots only.

A. D. LIVONI. A beautiful soft pink flower with ★quilled petals.

GOLD MEDAL. Autumn coloring, deep yellow, ★tipped dark crimson. A striking flower. Price, each, 35c.

MARS. Bright scarlet, well formed flowers.

MARY HELEN. A primrose colored ball. One of ★the best ball type. Price, each, 35c.

MAUDE ADAMS. A pure snowy white, very effec-★tively overlaid clear delicate pink.

MRS. C. D. ANDERSON. Rich, clear purple. ★Price, each, 35c.

YELLOW DUKE. A splendid primrose-yellow of ★good form and strong stem.

Money Saving Special Combination Offers of Dahlias
Postpaid to 5th Zone

No. 91—Fireball, Golden Beauty, Miss Oakland. The 3 for..... **$12.60**

No. 91A—Margrace, Milton J. Cross, Buck-eye Glory. The 3 for..... **$9.35**

No. 91B—Oakleigh Monarch, Oakleigh Princess, Queen City, Red Jug. The 4 for **$7.25**

No. 91C—California Idol, Clara Carder, Challenger, Murphy's Masterpiece. The 4 for..... **$5.75**

No. 91D—America's Sweetheart, Bette Davis, Cornelia B. Pinchot, Frank Serpa, Hillcrest Nugget, Hunt's Velvet Wonder, Jessica Dragonette, Lord of Autumn. Any 4 of above for **$5.00**
The collection of 8 for $9.60
With each order for the eight varieties we will include one tuber of Wenoka free.

No. 91E—Cavalcade, Clara Barton, Mrs. George Le Boutellier, Pres. F. D. Roosevelt, Tower's Empire, Sultan of Hillcrest. The 6 for.... **$4.35**

No. 91F—Grace Curling, Hillcrest Mandarin, Jane Ross, Palo Alto, Peach Beauty, Rudy Vallee, Ruby Taylor, Star of Bethlehem, Satan, Tacoma's Beauty. Any 5 of above for..... **$3.25**
The collection of 10 for $6.00
With each order for the 10 varieties we will include one tuber of City of Cleveland free.

No. 91G—Bagdad, Golden Eclipse, Jean Trimbee, Mrs. L. L. Hook, Sharazad, W. H. T. The 6 for..... **$2.25**

No. 91H—Dorothy Stone, Harry Mayer, Kentucky, Myra Howard, Penn Charter. The 5 for..... **$1.25**

No. 91-I—City of Wellston, Coquette, Mary Ellen, Pride of Stratford. The 4 for **$1.00**

No. 91J—Jane Cowl, Jersey's Beauty, Jersey's Beacon, Monmouth Champion, Mrs. Ide Ver Warner. The 5 for..... **$1.00**

No. 91K—Hercules, Margaret Woodrow Wilson, Mina Burgle, Mrs. Ide Ver Warner, Papillon, Porthos. The 6 for..... **$1.00**

No. 91L—A. D. Livoni, Gold Medal, Mars, Mary Helen, Maude Adams, Mrs. C. D. Anderson, Yellow Duke. The 7 for..... **$1.35**

No. 91M—Bacchus, Catherine, Eureka, Little Herman, Little Irene, Rosa Wilmouth. The 6 for..... **$1.00**

BUCKEYE QUEEN. Lavender. Each, Tubers, $1.00.

MINIATURE DAHLIAS
Roots Only

5 Miniature Dahlias, $1.70.

This new type of medium sized flowers, freely borne on dwarf bushes, is suited for growing in the garden border, as well as as for pot plants. We offer 1 tuber each of Baby Royal, Bishop of Llandorf, Easter Greeting, Fairy and Nesthalschon (catalog value $2.35), $1.70.

8 Miniatures Dahlias, 1 each of the varieties listed below (catalog value $3.40), for . . . . . $2.45.

BABY ROYAL. (S. C.) One of the finest miniatures of salmon-pink shaded apricot. A good cut flower as it is exceptionally free flowering. A graceful blossom on long, wiry stem. A great prize winner wherever exhibited. Price, each, 35c.

BISHOP OF LLANDOFF. (Duplex.) Brilliant rich red blooms, in contrast to the dark bronze-black foliage, make it outstanding in the garden. A most unusual variety. Don't fail to add it to your collection. Price, each, 50c.

EASTER GREETING. (F. D.) Dwarf. Pure waxy white blooms held erect on good stems. Very free flowering. Price, each, 50c.

FAIRY. (F. D.) Described as a miniature Jersey-Beauty, but lighter in color. A violet-rose shading mauve at tips. A very early and continuous bloomer that keeps wonderfully well when cut. Price, each, 50c.

KISS ME. (S. C.) A very unusual bi-color of about four inches in diameter. The base color is garnet-red with the petals edged and tipped white. An exceedingly free bloomer and a splendid cut flower. Price, each, 35c.

LITTLE JEWEL. (F.D.) The tiniest European miniature of bright pink. A perfect "little jewel." Splendid for table decoration. Price, each, 35c.

NESTHALSCHON. (I. D.) Color buff suffused soft lilac. An artistic miniature when pastel shades are desired. Free flowering and good growing habits. Price, each, 50c.

SWEETHEART. (S. C.) Color ochreous buff suffused rose-red which is a fine companion for Baby Royal. Low growing bushes always covered with blooms. Price, each, 35c.

POMPON DAHLIAS

Under this head come those small Bouquet Dahlias that are so popular for cut flowers.

Price any of the following, each 25c, except where noted. Roots only.

AMBER QUEEN. Fine deep amber with apricot suffusions.

ANNA VON SCHWERIN. Delicate, light pink blending to nearly white center. Price, each, 35c.

BACCHUS. Clear, bright red rounded and full.

BRONZE BEAUTY. Gold apricot. Fine cut flower variety.

CATHERINE. Bright yellow. Good form and stem.

EDITH MUELLER. Beautiful rose red blended with rich yellow. Price, each, 35c.

EUREKA. Yellow shading to bronze.

JOE FETTIES. Pure white, long stems.

LITTLE HERMAN. Deep red, tipped white; very free.

LITTLE IRENE. Light yellow.

NELLIE FRAZER. Light ground tipped rose.

ROSA WILMOUTH. Small, fine formed rose-pink.

SNOWCLAD. The best pure white pompon.

VIVID. Bright scarlet, very fine.

YELLOW GEM. A perfect neat, bright yellow.

DAHLIA TUBERS. To color. In white, pink, yellow, red or variegated. Price, each, 15c; doz., $1.50, postpaid.

Vaughan's Bush Roses

NEWER HYBRID TEAS

Price of the following four varieties:

Dormant Roses, 12 for $10.00; each, $1.00

Pot Plants, 12 for $12.50; each, $1.20

CONDESA DE SASTAGO. Striking colors of cop-★per and yellow. Reverse of petals golden yellow, inside reddish copper. Healthy foliage, strong growth and free blooming.

DUQUESA DE PENARANDA. This glorious rose produces two distinct types of flowers. In summer the pointed buds are apricot-orange and dark pink opening to splendid blooms of coppery apricot. In autumn great brownish buds open slowly to finely formed flowers of a luscious cinnamon-peach color.

HINRICH GAEDE. Kordes 1931. Unusual and different. Long pointed Nasturtium-red buds. Big double blooms of rich luminous vermilion shaded golden yellow.

PRESIDENT BOONE. The color is deep velvety crimson, beautifully veined with an entrancing velvet black. This glorious, large Rose could be described as a Crimson Radiance. Rich fragrance.

SOUV. DE MME. C. CHAMBARD. Coral-pink. The buds are large, long-pointed, coral in color, and slowly unfold to a coral-pink flower developing a satiny peach tint. Its fragrance is simply delicious.

Price of the following varieties:

Dormant Roses, 12 for $9.00, each, 90c

Pot Plants, 12 for $11.50; each, $1.10

AMI QUINARD. Black-lustered red. Alluring, ★richly colored petals of crimson-maroon that look like pieces of soft, luxurious velvet. Blackish buds open to semi-double flowers of velvety crimson-maroon with a soft black luster.

EDITOR McFARLAND. Exceptionally fine deep pink variety. Fine producer, good grower, and excellent cut flower. Of good fragrance and vigor.

LEONARD BARRON. (J. H. Nicolas, 1932.) A new ★type rose created by crossing with the Eskimo wild Rose. Always in bloom with mammoth flowers in salmon with amber glow. Extremely hardy.

MAX KRAUSE. Probably the most yellow Rose for outdoor use—a gold that stays gold. Long bud and bloom of great substance on long stems.

Price of the following varieties:

Dormant Roses, 12 for $8.50; each, 85c

Pot Plants, 12 for $11.00; each, $1.05

CALEDONIA. Beautiful shapely white of good size and moderately fragrant.

CHARLES P. KILHAM. Double flowers and buds of blazing scarlet-orange, opening to bright orange-pink with a fiery center. Continuously in bloom.

E. G. HILL. (E. G. Hill Co., 1929.) Long, perfectly ★formed buds opening to full double flowers of dazzling scarlet, shading to deeper red.

ETOILE D'HOLLANDE. A most popular garden ★rose. Brilliant crimson red. See page 117.

GOLDEN DAWN. Splendid yellow rose for outdoors. ★Buds lemon yellow, splashed with crimson; opens to sweetly scented pale straw-yellow blooms.

JOANNA HILL. (J. H. Hill Co., 1928.) A creamy-★yellow rose with an orange heart. See Page 117.

McGREDY'S SCARLET. Lovely tea scented brilliant scarlet blooms with bright orange base.

MRS. G. A. VAN ROSSEM. Brownish yellow flowers strongly shaded coppery pink. A most unusual color combination.

MRS. PIERRE S. DU PONT. Buds of reddish gold opening into fragrant golden yellow flowers.

MRS. SAM McGREDY. McGredy 1929. Excep-★tionally good all purpose variety. Well-shaped blooms of coppery scarlet-orange, outside of petals heavily flushed with red.

PRESIDENT HERBERT HOOVER. Deep copper ★red buds, opening to a lovely blend. See Page 117.

TOM THUMB

"WORLD'S SMALLEST RED ROSE"

Plant Patent No. 159

Crimson. A tiny gem for rockery, border or pool's edge. For Conservatory. Dwarf grower. Hardy. Flowers rich crimson, white center, studded with gold stamens. Popular for Flower Shows and Gifts.

75c each; 3 for $1.90; 12 for $7.25.

ROSA Rouletti

New Miniature or Lilliput Rose. A dwarf rose of the Everblooming class, hardy, height 6 to 8 inches, double dark pink blooms in profusion. Fine for rock gardens, edging or solid beds.

Plants, 3 for $1.00; doz., $3.50.

HARDY HYBRID PERPETUAL ROSES

These are the well known June Roses. Many big, sweetly scented, globular shaped roses in June. Reliably hardy for average Chicago winters.

Price of the following varieties:

Dormant Roses, 12 for $7.50; each, 75c

Pot Plants, 12 for $10.00; each, 90c

FRAU KARL DRUSCHKI (WHITE AMERICAN ★BEAUTY). Pure white, long, immense buds and perfectly double flowers.

GEN. JACQUEMINOT. Bright shining crimson, shapely buds, fragrant.

HARRISON'S YELLOW (AUSTRIAN BRIAR). The Hardy Yellow Rose of olden times. Deep golden yellow, semi-double and very hardy.

MAGNA CHARTA. An old favorite. Very double flowers, bright pink suffused carmine, fragrant.

MRS. JOHN LAING. A soft delicate pink with ★a satiny sheen; very fragrant, fully double.

ULRICH BRUNNER. A rose of beautiful form ★and finish, brilliant cherry-crimson. Vigorous, blooming continuously in the open.

ROME GLORY.

New Patented Hybrid Teas

Price of the following varieties:

Dormant Roses, 12 for $20.00; each, $2.00

Pot Plants, 12 for $21.50; each, $2.15

R.M.S. QUEEN MARY. (Plant Patent No. 249.) The color is quite distinct from anything yet seen in roses. Long pointed buds opening to large flowers in a glowing blend of salmon and pink with orange base. Strong grower, flowers delicately perfumed.

ROME GLORY. (Plant Patent applied for.) A cross of Dame Edith Helen and Sensation. A most robust and vigorous plant, of great hardiness. Crimson red buds opening to large, well formed, fragrant, cerise-red blooms.

Price of the following varieties:

Dormant Roses, 12 for $15.00; each, $1.50

Pot Plants, 12 for $18.00; each, $1.70

DICKSON'S CENTENNIAL. (Plant Patent applied for.) Alex Dickson & sons, 1937. New red rose with long pointed buds opening to rich strawberry red with velvety sheen and lustrous shading of deeper red and black.

ECLIPSE. (Plant Patent No. 172.) Introduced in ★1936, this rose is internationally famous. Long streamlined buds of rich gold opening to large golden yellow blooms.

GOLDEN MAIN. (Plant Patent No. 254.) A new yellow rose from Germany. Free blooming, dark foliage and strong vigorous growth. Color is brilliant dandelion yellow, flowers are large and full.

MME. JOSEPH PERRAUD. A rose of sublime ★beauty. Long, slender, pointed, Nasturtium orange buds which open to sweetly fragrant flowers of a charming Nasturtium buff straying to a lovely shade of shell pink.

McGREDY'S PINK. (Plant Patent rights reserved.) An ideal garden rose, few thorns, bushy and vigorous. Bright pink with base shaded salmon and yellow.

McGREDY'S TRIUMPH. (Plant Patent No. 190.) Dark healthy foliage. Large ovoid buds, cerise overshadowed with orange, opening slowly to large cup shaped, brilliant pink blooms overlaid amber.

SIGNORA. (Plant Patent No. 201.) An Italian rose of promise. Long buds of warm burnt sienna opening lighter towards mandarine. Tall growth and handsome foliage.

Price of the following varieties:

Dormant Roses, 12 for $12.50; each, $1.25

Pot Plants, 12 for $15.00; each, $1.45

ALEZANE. (Plant Patent No. 116.) Urn-shaped ★buds of brown, opening to sorrel and rich apricot with slight yellow veins. A striking rose.

AMELIA EARHART. (Plant Patent No. 63.) Flowers large and very full. Deep yellow center graduating to creamy yellow petals with a blush overtone.

CARRIE JACOBS BOND. (Plant Patent No. 158.) ★A wonderful new rose with large double blooms on long stems. Color a deep rich rose enhanced by a luminous coral sheen.

CRIMSON GLORY. (Plant Patent No. 105.) ★(Kordes, 1934.) Well-formed flowers of an intense deep vivid crimson shaded ox-blood red and mellowed by a soft velvety nap. Vigorous growth.

GLOAMING. (Plant Patent No. 137.) (J. H. Nicolas, 1935.) Vigorous grower of great cut flower value. Buds and flowers are large and well formed. Soft satiny pink suffused with salmon and amber.

NEW PATENTED HYBRID TEA ROSES—Cont.

GLOWING SUNSET. (Plant Patent No. 104.) (Wilhelm Breder) (Kordes, 1934.) An indescribable combination of orange-yellow and rose-pink. Blooms have an alluring fragrance.

RADIANT BEAUTY. (Plant Patent No. 97.) A very worthy red rose with good characteristics. Medium red blooms with an egg shell finish rather than satiny or velvety. Vigorous and hardy.

STERLING. (Patent No. 21.) The flowers are a ★beautiful clear pink with orange base; bud pointed and very lasting when cut. It is a vigorous grower, has disease-resistant foliage, and blooms freely.

SYMPHONY. (Plant Patent No. 79.) (Pink Frau Karl Druschki.) Massive blooms of perfect form. The buds are blush pink opening to a lovely ethereal rose with deep pink center.

WHITE BRIARCLIFF. (Plant Patent No. 108.) (Lens, 1933.) A new white rose of continuous bloom and good branching growth. Perfectly formed.

Price of the following five varieties:

Dormant Roses, 12 for $10.00; each, $1.00

Pot Plants, 12 for $12.50; each, $1.20

CARILLON. (Plant Patent No. 136.) (J. H. Nicolas.) ★A bedding rose of vigorous, branching growth. Long pointed buds of orange scarlet opening to large flowers of dark coral overcast orange.

COUNTESS VANDAL. (Plant Patent No. 38.) Perfect pointed buds, opening to large blooms of coppery pink and gold. Of unusual vigor, it blooms unceasingly all summer until frost.

FEU PERNET DUCHER. (Plant Patent No. 103.) Creamy orange buds, heavy markings of carmine. Opens to shapely blooms of deep yellow with lighter edges flushed pink. Highly perfumed.

LITTLE BEAUTY. (Plant Patent No. 149.) New ★everblooming rose of outstanding value for garden use and fine for cutting. Color is a brilliant cerise which ages into a soft deep pink.

MME. COCHET-COCHET. (Plant Patent No. 129.) Long pointed buds of coppery pink, flushed orange, open to 4½-inch flowers of splendid form, with the color changing to soft satiny pink with attractive tints. Sweet honey-like fragrance.

NIGRETTE. (Plant Patent No. 87.) The Black Rose of Sangerhausen. The darkest of all roses. A new European rose with cup-shaped flowers of deepest maroon with blackish velvet sheen.

ROCHESTER. (Plant Patent No. 131.) (J. H. ★Nicolas, 1934.) Foliage heavy and disease resistant. Growth vigorous and flowering very continuous. Full double blooms, creamy yellow with an iridescence of pearl. Reverse of petals tinted carmine.

TEXAS CENTENNIAL. (Plant Patent No. 162.) A ★sport of President Hoover. Buds are blood red opening to cerise red. Very striking variety.

WILL ROGERS. (Plant Patent applied for.) Introduced 1936. Blackish velvety-crimson blooms freely produced. Noted for rich old rose fragrance of the fine 3 inch blossoms.

★Varieties indicated by star are of outstanding merit for garden planting.

STANDARD HYBRID TEAS

The Hybrid Tea Roses bear their glorious blooms profusely from June until late fall. In severe winter climates they need proper winter protection.

Price of the following varieties:
Dormant Roses, 12 for $7.50; each, 75c
Pot Plants, 12 for $10.50; each, 95c

AUTUMN. (Coddington, 1928.) Unique coloring, burnt orange streaked and marked with red. Medium size bud, developing to double fragrant bloom.

BETTY UPRICHARD. Pointed buds and large ★blooms of delicate salmon-pink, reverse carmine with coppery sheen. Very fragrant.

DAME EDITH HELEN. (A. Dickson & Sons, 1926.) ★Strong and active in growth. Buds are shapely and substantial, opening to superb clear pink flowers.

DUCHESS OF WELLINGTON. Intense saffron yellow stained with deep crimson. Delightful fragrance and unusual coloring.

EDITH NELLIE PERKINS. (A. Dickson & Sons. ★1928.) Long pointed buds, petals cream, blush and salmon pink shaded to golden orange at base.

GRUSS AN TEPLITZ. Rich scarlet shading ★to crimson, very fragrant. A vigorous grower and one of the best outdoor bedding varieties.

KAISERIN AUGUSTE VIKTORIA. Well formed creamy buds, snow white blooms of perfect form.

MARGARET McGREDY. Comparatively new ★and is a striking variety. Large Oriental red blooms, rich color and vigorous, bushy growth.

M. ME. BUTTERFLY. A glorified sport of Ophelia. ★A harmony of bright pink, apricot and gold.

MME. CAROLINE TESTOUT. Large flowers of satin rose, shaded lighter toward the edges of petals.

MME. EDOUARD HERRIOTT. Moderately fragrant coral-red blooms, shaded yellow and light scarlet.

MME. JULES BOUCHE. White, sometimes with ★blush center. A full double fragrant rose.

MRS. A. R. BARRACLOUGH. A large pink rose with clear light yellow shading at base of petals.

MRS. CHARLES BELL. A splendid shell pink with ★salmon shadings. Strong vigorous grower.

MRS. ERSKINE PEMBROKE THOM. (Howard ★& Smith, 1926.) An unfading yellow with dark healthy foliage. Slender yellow buds opening to well shaped canary yellow blooms.

MRS. HENRY BOWLES. A large, well formed, ★fragrant rose of brilliant pink with salmon shadings.

RADIANCE. Brilliant rosy carmine, shaded with ★pink, large, full, of fine form. A constant bloomer.

RED RADIANCE. Flowers clear cerise-red. Size, ★foliage, growth and habit same as in the parent, Radiance. A fine variety for outdoor planting.

SOUVENIR DE CLAUDIUS PERNET. Flowers sunflower-yellow, unfading even in the warmest weather; foliage brilliant green.

TALISMAN. (Montgomery Co., 1929.) A remarkable blending of gold, apricot, yellow, deep pink, and old rose. The rose of many Gold Medals.

DWARF POLYANTHA ROSES

The interesting Polyanthas are everblooming, just like the Hybrid Teas, but their miniature blooms are borne in clusters. They will endure fairly severe winters with slight protection.

Price of the following varieties:
Dormant Roses, 12 for $7.50; each, 75c
Pot Plants, 12 for $10.50; each, 95c

CECILE BRUNNER. (The Sweetheart Rose.) Soft pink on a background of creamy white.

GLORIA MUNDI. Newly introduced. Full double of the most brilliant orange scarlet imaginable.

IMPROVED LAFAYETTE. Large sprays of crim-★son scarlet.

KAREN POULSEN. New. Big single blooms in ★large clusters. Color is brilliant scarlet.

MRS. R. M. FINCH. Double soft rosy-pink flow-★ers, 2 inches in diameter.

PINK GRUSS AN AACHEN. Large deep salmon ★blooms like a hybrid tea rose.

TRIOMPHE ORLEANAIS. Brilliant crimson double flowers in heavy clusters.

VISIT VAUGHAN'S ROSE GARDEN

You are invited to inspect our rose garden, at West Forty-seventh street and Willow Springs road, Western Springs, Ill., where both new and old varieties may be inspected.

All our Roses are hardy, Northern grown, 2-yr. No. 1 grade.

Hardy Climbing Roses

Attention is invited to the many types of climbing roses in our list. New varieties are creating greater interest in climbers. Many varieties are quite hardy but winter protection is desirable.

Price of the following varieties:
Dormant Roses, 12 for $7.50; each, 75c
Pot Plants, 12 for $10.50; each, 95c

BONFIRE. Best red rambler. Many heavy trusses of small double crimson—scarlet blooms.

CLIMBING AMERICAN BEAUTY. A free-climber. Rosy crimson flowers, 3 to 4 inches across, produced freely in June and occasionally throughout the season. Very fragrant.

CHAPLIN'S PINK CLIMBER. Introduced in ★1928, winning highest place in English National Rose Society's Spring Show. Lively pink blooms in clusters of 8 to 12 large and shapely flowers. A strong grower and excellent climber. One of the best new climbing roses.

DOROTHY PERKINS. Beautiful shell-pink double flowers in large clusters. Strong, vigorous grower, attaining a great length in one season.

DR. W. VAN FLEET. The delicate flesh-pink flowers are full and double, of immense diameter; sweetly perfumed; beautiful bronze-green foliage.

XCELSA. **(Red Dorothy Perkins).** Flowers very double, produced in large trusses, thirty to forty on a stem; light crimson. Vigorous.

MARY WALLACE. Well formed, semi-double flow-★ers of a bright clear rose-pink with salmon base to the petals. Large flowers, generally exceeding four inches in diameter.

MME. GREGOIRE STAECHELIN. This new variety is the aristocrat of the climbing roses. Its beautiful flowers are of enormous size and are followed by attractive fruits as large as small Seckel pears. The blooms are unmatched, being of an iridescent pearl-pink, splashed with carmine. Delightfully fragrant.

PAUL'S SCARLET CLIMBER. A most important ★addition to the Climbing Roses; none can compare with it for brilliancy of color, which is a vivid scarlet. A strong climber and perfectly hardy.

PRIMROSE. A pure yellow, hardy climbing rose. ★Its large, double flowers are a soft, rich primrose yellow, and are borne in clusters of 4 and 5 on an extremely vigorous plant, with beautiful foliage. Very new and most satisfactory.

SCORCHER. Handsome vermilion flowers covering ★the plant in great profusion.

SILVER MOON. Beautiful, fragrant, semi-double flowers four and a half inches and over in diameter. Creamy white petals of great substance.

STANDARD OR TREE ROSES

These ornamental and much prized roses are bush shape, grafted to a standard or trunk 3 feet high. Hybrid teas are chiefly used, and the bush or head is capable of bearing 30 to 50 blossoms each season. Need winter protection. We can supply the following, dormant only, at $3.00 each; $27.50 for 10.

Bonfire	Joanna Hill
Dame Edith Helen	Mrs. Henry Bowles
E. G. Hill	Mrs. Sam McGredy
Etoile de Holland	Radiance
Frau Karl Druschki	Red Radiance
Golden Dawn	Talisman

PATENTED ROSE BLAZE.

NEW PATENTED CLIMBING ROSES

BLAZE. (The new hardy Everblooming Scarlet Climber.) (Plant Patent No. 10.) A marvelous, hardy-everblooming scarlet-red rose, combining the bloom and growth of Paul s Scarlet Climber with the everblooming character of Gruss an Teplitz. Blooms are double, often 4 inches in diameter.
Dormant, each, $1.00. Pot Plants, $1.15.

APRICOT GLOW. (Plant Patent applied for.) Henry A. Dreer, 1937. Medium size double light apricot flowers, shading yellow at the base. Produced in large trusses. Blooms profusely and quite fragrant.
Dormant, each, $1.50; Pot Plants, $1.70.

DOUBLOONS. (Plant Patent No. 152.) A hybrid of ★Rose Setigera. Vigorous heavy canes and tendency to bloom again in midsummer. Clusters of large cup-shaped saffron yellow roses.
Dormant, each, $1.50; Pot Plants, $1.70.

THE NEW DAWN. (The Hardy Everblooming Dr. ★Van Fleet.) (Plant Patent No. 1, dated August 18, 1931.) The first patented rose and the first everblooming climbing rose. A sport from Dr. Van Fleet, having same habit of growth. The delicate flesh pink flowers are fragrant, foliage a bronze-green.
Dormant, each, $1.50. Pot Plants, $1.65.

POT PLANTS

For spring planting, pot grown roses are convenient and safe. These 2-year field grown roses are put in pots in January and grown in cool greenhouses. By May they are in full leaf, possibly showing buds, and the roots are well established in a ball of soil. Planting is easy and there is no check in growth. **Pot grown roses not ready till May 1st.**

DORMANT

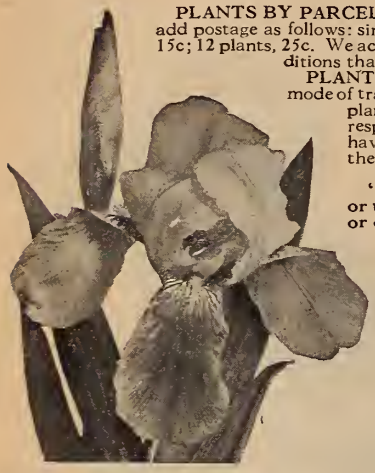
Some prefer dormant plants for the following reasons: They may be planted earlier, they cost less and may be shipped by parcel post rather than by express, if 5c per plant is remitted for postage. The planting of dormant roses should be done early. All our dormant roses are hardy, Northern grown 2 yr., No. 1 grade.

All Roses Are F. O. B. Western Springs, Illinois. Pot Plants by Express Only.

See Rose Collection on Page 117.

Ask for our leaflet "How to be Successful with Roses."

Vaughan's Irises



PLANTS BY PARCEL POST—If to be sent by parcel post, add postage as follows: single plants 5c; 3 plants, 10c; 6 plants, 15c; 12 plants, 25c. We accept no responsibility for delays or conditions that may prove injurious to the contents.

PLANTS BY EXPRESS—We recommend this mode of transit where quantities are over 18 to 24 plants. We pack carefully, but accept no responsibility for delays over which we have no control that may cause injury to the contents.

"S" refers to the three standard, or upright curling petals; "F" to falls or drooping petals.

Irises are most effective if planted three of a kind in a clump.

★ Those indicated by a star are medium priced varieties of outstanding merit and are especially recommended for garden planting.

OUTSTANDING VARIETIES

Black Wings. 38 in. Velvety black buds opening to large flowers of intense blue overlaid with a frosty black luster. Fragrant. **65c.**

Blue Velvet. 46 in. A clear, beautiful, very dark blue self, the color of the richest shade of deep dark blue velvet. **50c.**

Cameliard. 48 in. One of the best and most brilliant light type variegatas. S. amber yellow; F. yellow, flushed light purple and bordered yellow. Vigorous and free-flowering; late. **25c.**

Coralie. 38 in. A vividly colored blend of pink and red that approaches a soft raspberry color in effect. Unusually lovely. **$5.00.**

Crystal Beauty. 40 in. Large, perfectly shaped flowers of pure snow white. Said to be the whitest white of all Irises. **$4.00.**

Dauntless. 40 in. One of the brightest red Irises introduced. A brilliant rose red self with velvety, flaring falls. **50c.**

El Capitan. 40 in. Huge flowers of light violet-blue. A magnificent variety that is wanted by everyone that sees it. **40c.**

Ethelwyn Dubuar. 38 in. A new deep pink self without the objectionable magenta found in many pink Irises. Fine large flowers. **$1.00.**

Gold Imperial. 33 in. Brilliant chrome yellow throughout except for conspicuous orange beard. A fine Iris of rare texture and form. **25c.**

Happy Days. 40 in. An immense clear yellow of El Capitan size. Perfectly branched, each stalk carrying 7 or 8 massive blooms. **$7.50.**

Hermene. 40 in. An unusually fine garden variety with large blooms of heavy satiny texture. A deep pink blend with golden center. **35c.**

King Juba. 36 in. A brilliant, large-flowered variegata of striking appearance. S. pure clear yellow; F. deep velvety red. **50c.**

Labor. 36 in. A different color in Iris. S. dark violet heliotrope suffused with a coppery glow; F. deeper shade. **25c; 3 for 50c.**

★ **Pink Satin.** 42 in. Large, finely shaped flowers of a very delicate and smooth, yet glistening, pink. An outstanding variety. **65c.**

★ **Pluie d'Or (Golden Rain).** 40 in. Probably the best pure golden yellow self yet introduced. A large flower of perfect form and a profuse bloomer. An outstanding variety in both Europe and America. **25c.**

★ **President Pilkington.** 46 in. Very large Iris of excellent form and glorious blend of lavender blue and buff. Extra fine. **75c.**

Taj Mahal. 38 in. A very fine white of good shape and great substance, borne on well-branched stalks. Vigorous grower. **25c; 3 for 50c.**

STANDARD VARIETIES AT BARGAIN PRICES

We have a large collection of these in named varieties in all colors. In ordering state color wanted and a good named variety, labeled, will be supplied. List of varieties mailed on request. Price, 3 of one kind for **30c**; 12 of one kind for **$1.00**,

Surprise Iris Collection: Twelve beautiful varieties for **$1.00**. 12 different Irises, in a rainbow of colors, our selection, labeled (value $2.20), for only **$1.00.**

DWARF IRISES

Price, any of the following, 25c each; 3 of one kind for 50c.

Cristata (Crested Iris). Early. A dainty dwarf creeping variety with large blue flowers. Fine for use in the rock garden.

Pumila Hybrida. Dwarf varieties, growing from 6 to 8 inches high, that bloom two weeks in advance of the tall bearded Iris. Suitable for rock gardens or borders.

Dixmude. S. aniline blue; F. rich crimson-purple.

Orange Queen. Clear deep yellow with orange beard.

Schneekuppe. Fragrant white.

SIBERIAN IRISES

Price, except where noted, 25c; 3 of one kind for 50c.

Butterfly. 36 in. Lovely porcelain blue flowers; vigorous grower.

★ **Emperor.** 48 in. Large flowers of a deep, rich violet-blue. Very fine.

★ **Orientalis.** 24 in. Rich deep purple. Fine for naturalized plantings. 3 for 30c.

★ **Perry's Blue.** 48 in. Large, well formed flowers of a beautiful shade of sky-blue.

Snow Queen. 30 in. Large, ivory white with rich yellow blotch at the throat.

We have a large collection of Iris, including fall blooming varieties. Write for Complete List.

Twelve Iris Aristocrats $2

CATALOG VALUE $3.30—PREPAID 300 MILES

These are among the fifty finest Irises in cultivation. Each is rated close to perfection and not long ago not one could have been purchased for the price of this collection. Your Iris display is incomplete if you have not these varieties, and new low prices make it possible to own them for less than the cost of ordinary plants.

★ **Coronation.** 40 in. A brilliant, clear deep golden yellow of fine form and substance. A strong hardy grower and profuse bloomer. **25c.**

★ **Dolly Madison.** 38 in. An outstanding blend. S. mauvette shading to yellow at base. F. flaring, lilac tinged old gold. It has distinction of carriage and form. **25c; 3 for 50c.**

★ **Frieda Mohr.** 42 in. A gigantic pink toned Iris that measures 6½ inches from the top of the standards to the tip of the falls and 6 inches horizontally. The flower is of perfect form, good texture and brilliant coloring; very stately and beautiful and one of the very best of the "pinks." Exquisite locust-like perfume. **25c; 3 for 60c.**

★ **Indian Chief.** 40 in. Every garden should have this fine red. S. pinkish red; F. glowing velvety red. Large, well-shaped flowers of heavy substance. A prolific bloomer. **35c; 3 for 75c.**

★ **Morning Splendor.** 40 in. A fine American introduction that has been awarded three medals. S. Petunia-violet; F. rich raisin-purple. Large, fragrant flowers; late. **25c; 3 for 50c.**

★ **Mrs. Valerie West.** 42 in. Considered the best of the Dominion seedlings. S. bronze flushed with lavender; F. massive and flaring, deep velvety crimson brown. Exceedingly large flowers. **35c.**

★ **Princess Beatrice.** 40 in. A selected form of Pallida Dalmatica and one of the finest of all Irises. Silvery lavender of satiny texture. **25c.**

★ **Rameses.** 36 in. A large blend of russet rose, pink and buff with a yellow glow at the center; large apricot beard. A vigorous healthy grower and free bloomer. Attracts immediate attention wherever shown. **35c; 3 for 75c.**

★ **Santa Barbara.** 40 in. A gigantic light blue self of perfect form, with flaring falls. One of the finest Iris of its color. **25c.**

★ **Souv. de Mad. Gaudichau.** 40 in. Considered the most beautiful of the deep purple Irises. Large flowers. **25c; 3 for 50c.**

★ **Susan Bliss.** 42 in. Exquisite flowers of a uniform shade of deep rose-pink. Fine shape and splendid substance. **25c; 3 for 50c.**

★ **True Charm.** 40 in. Fine large flowers of white with the margins delicately etched lavender blue. A delightful flower. Fragrant. **25c.**

JAPANESE IRISES (Kaempferi)

The last of the Iris species to bloom and the most beautiful, their remarkable flowers, generally rather flat and wide, appearing in June and July. Plant in a sunny and moist location, but not where water will stand.

Azure. Large delicate mauve-blue flowers. Double.

★ **Gold Bound.** Double. White with gold-banded center. Earliest to bloom.

Iso-No-Nami (Shallow Waves). Suffused rose and blue over white; gold center. One of the largest flowered; late; double. Each, **50c.**

Kumochi-Guma. A very full double of dark purplish indigo. Midseason.

★ **Mahogany.** Large double flowers of velvety-mahogany red. Late.

★ **Momigi-No-Taki (Maple Waterfall).** Bright rosy crimson feathered in white. Double.

★ **Purple and Gold.** An enormous double of rich violet-purple with gold center.

Seacrest. Six large wavy white petals with deep blue haft.

Uchiu. Cerulean blue, veined white; gold center. Blooms a long time. Double.

Waria Hotei (Laughing Doll). Extra large flowers of lavender blue with primrose blotches and dark violet veins. A very striking variety. Each, **50c.**

Price of above, except where noted, each 35c; 3 of one kind for 90c; 10 of one kind for $2.50.

Mixed Seedlings. 3 for **30c**; 12 for **$1.00**; clumps, each, **35c.**

Special Offer No. 94-A One each of above 10 named Japanese Irises (Value $3.80) for **$2.50.**

NEW JAPANESE IRISES

Amethyst. Very large single flowers with wavy petals of exquisite lavender. **60c.**

Celestine. Deep silvery pink hue veined blue. Large single flowers that will measure 7 inches across. Strong growing and unusually beautiful. **$1.00.**

Eleanor Parry. Double claret-red flowers flamed white and blue. **60c.**

Kamata. Single, dark velvety sky-blue with white veins. **60c.**

Norma. Exquisite silky lavender-pink with clear blue halo surrounding a yellow blotch at center. Fine large double. The best pink Japanese Iris. **75c.**

Oriole. Double. Lovely plum shading to deep plum. **60c.**

Rose Anna. Ivory-white with heavy ruby-red veins; center yellow; stigmas dark plum. A fine double. **50c.**

Violet Beauty. Single. Velvety pansy-violet with conspicuous yellow center. Very large flowers; free blooming. **50c.**

Special Offer No. 94-B One each of the above 8 new Japanese Iris (Value $5.15) for **$3.50.**

VARIOUS BEARDLESS IRISES

Most of these varieties bloom after the German Irises are gone and before the Japanese Irises open.

Dichotoma (Vesper Iris). Dainty blue flowers, beautifully marked, that open in the afternoon. Blooms profusely during the month of August. **60c.**

Monnieri. 48 in. Handsome, rich golden yellow flowers of excellent form. Prefers a moist situation. **50c.**

Pseudoacorus (Common Yellow Water Flag). 48 in. Bright yellow. Fine for waterside planting. Will succeed where water stands or in dry locations. **25c.**

Versicolor (Common American Water Flag). 24 in. Showy violet-blue remaining in bloom for a long time. Good for waterside plantings. **25c.**

Vaughan's 1938 Gladiolus Introductions

COMMUNIST

Flaming red, lighter than Commander Koehl, more vivid than Dr. Bennett, with a better spike than either. The color is even except for deep crimson in the throat and slight white veining, which enhance the effect. The fourteen florets face forward and open overlapping, eight or more at once, making a plume of fiery brilliance. Flowers in 100 days. Each, 35c; doz., $3.50; 100, $25.00.

AU SABLE

A giant orchid lavender two tones deeper than Minuet, of equal size and vigor. A throat blotch of deep rose heightens the effect. It bears fourteen or more florets of largest size, of which eight or more open together, all facing forward and overlapping. This finest variety yet produced of color popular for garden and cut flowers; the first improvement in its color class over the popular Kalamazoo. Flowers 100 days. Each, 25c; doz., $2.50; 100, $18.00.

HOPI

A shapely flower of medium size, with florets of velvety substance exceptionally well placed, five to six open at once. In color a bright maroon, with slightly darker harmonizing blotch in the throat. A strong straight stem, standing without stakes in the garden, and making an excellent cut flower. It is a rich, warm color which will carry in the garden and look well in artificial light. Flowers in 99 days. Each, 15c; doz., $1.50; 100, $10.00.

PALM SPRINGS

A clear, soft, luminous orange-buff, self-color, marked only by lighter toning in the throat. Tall and vigorous, with seventeen florets of largest size, seven open at a time. Flowering spike is of ideal form, with florets well spaced and facing forward. This is the finest of its color we have seen, and will be outstanding both in the garden and as a cut flower. Flowers in 90 days. Each, 25c; doz., $2.50; 100, $18.00.

BEST OF MODERN GLADIOLI, ARRANGED BY COLOR

PINK AND ROSE

AFLAME (Hornberger). Giant begonia rose. Each, 7c; doz., 70c; 100, $4.50.

BETTY NUTHALL (Salbach). One of the outstanding gladioli of recent introduction. Light coral with pale orange throat and light feathering of carmine. A beautiful large-flowered variety. Each, 6c; doz., 60c; 100, $4.00.

BIJOU (Vaughan). Primulinus. Flowers of good size, well open, slightly ruffled pinkish apricot, lower side petals primrose-yellow, small crimson blotches at base of petals. Flowers well placed. A most charming variety. Height, 30 inches. Each, 6c; doz., 60c; 100, $4.00.

CORYPHEE (Pfitzer). Waxy, light pink. Lighter throat. Sometimes lightly mottled deeper pink. Each, 10c; doz., $1.00; 100, $7.00.

EARLY DUNE (Vaughan). An early Betty Nuthall, 70 to 75 days. Salmon orange shading to lighter in throat with two small carmine spots on the throat petal. Tall straight spike, flower well placed, 10 to 12 open at one time. Each, 10c; doz., $1.00; 100, $7.00.

(★) This mark indicates the variety is of outstanding merit.

PINK AND ROSE—Continued

D. A. HAY (Whiteley). Salmon-pink with ivory throat. Each, 35c; doz., $3.50.

DEBONAIR (Palmer). La France pink to shrimp pink in throat with creamy throat mark, lightly peppered crimson. Each, 10c; doz., $1.00; 100, $7.00.

DETROIT (Vaughan). Fully developed flowers often measure five inches across, compactly arranged on the spike. The color is light pink with deeper pencilings of light crimson. Each, 20c; doz., $2.00; 100, $15.00.

DR. NELSON SHOOK (Kunderd). Deep tyrian rose. Each, 10c; doz., $1.00; 100, $7.00.

EDITH MASON (Vaughan). Delicate geranium-pink, an exquisite color. Each, 6c; doz., 60c; 100, $4.00.

EDITH ROBSON (Australia). Light salmon-rose with reddish blotch. Very tall, strong growing plant with immense spike of bloom. Each, 15c; doz., $1.25; 100, $8.00.

FRANK J. McCOY (Briggs). Immense, tall, strong spike of pure pink. Each, 10c; doz., $1.00; 100, $7.00.

FREDERICK SCHILLER. (Howard). Delightfully clear, rich rose shade which is most desirable in floral decorations. The informal arrangement of the large handsome flowers on long graceful spikes makes this one of the most decorative varieties ever produced. Each, 10c; doz., $1.00; 100, $7.00.

PINK AND ROSE—Continued

HERITAGE (Ristow). Very large warm pink, throat lighter with white midribs on lower petals. Each, 35c; doz., $3.50.

HILLSDALE (Vaughan). True Tyrian rose shading darker toward outer edge of petals, lighter toward throat; back of petals delicately traced with minute white lines. Darker feather on two lower petals. Tall, strong spikes. Blooms in early midseason. A valuable addition to a color class with few outstanding varieties. Each, 25c; doz., $2.50.

JOH. S. BACH (Pfitzer). Salmon, shading bit lighter in throat. Tall and strong. Well arranged flower head. 10 to 12 open at once. Each, 50c; doz., $5 00

LILLIAN RUTTER (Whiteley). A beautiful self-colored salmon. Many flowers open and well ruffled. Each, 35c; doz., $3.50.

L. W. WHEELER (Vaughan). Medium sized, rounded flowers of pink, suffused with yellow and blotched crimson. Each, 6c; doz., 60c; 100, $4.00.

LUDINGTON (Vaughan). (Salmon Pink.) A deep salmon pink, clear and luminous, spread evenly over the petals. Pale in the throat with a small red blotch deep in throat of lower petal. 10 buds, 4 open. An ideal plume. 3 ft. high. Each, 50c; doz., $5.00.

MISS J. NATHAN (Whiteley). Rose-pink, cream throat spotted crimson. Very large spike. Each, 35c; doz., $3.50.

Prices for single bulbs and by the doz., as above, include free parcel post delivery through 5th zone. For prepayment to further zones, add 5c doz.

GLADIOLUS PINK AND ROSE—Continued

MILDRED LOUISE (Wentworth). Prevailing color ★is a pure salmon (strawberry) pink, self on upper petals with lower petals tipped strawberry-pink, blending to pinard-yellow in the throat. The stem is strong and flexible. The beautiful triangular shaped florets open wide and measure 5½ inches or more across, there are 18 to 22 buds on each spike. Excellent propagator. Each, 15c; doz., $1.50; 100, $10.00.

MISS NEW ZEALAND (Julyan). Salmon-apricot ★suffused rose with blotch of ripe peach. Giant of the Glads. Each, 50c; doz., $5.00.

MRS. DR. NORTON (Kunderd). Soft white, with tips of petals suffused LaFrance pink. Each, 7c; doz., 70c; 100, $4.50.

MRS. E. J. HEATON (Heaton). Glowing straw-★berry pink blended with some cream in throat. Each, 20c; doz., $2.00; 100, $15.00.

MRS. LEON DOUGLAS (Diener). Color is begonia-★rose, striped with flame and brilliant scarlet. Each, 6c; doz., 60c; 100, $4.00.

MRS. P. W. SISSON (Coleman). Immense, ruffled ★soft pink. Each, 6c; doz., 60c; 100, $4.00.

PETER MASON (Whiteley) (Primulinus). Pink suffused yellow and edged purple. Each, 35c; doz., $3.50.

PICARDY (Palmer). A most sensational flower of ★delicate apricot-pink. The individual florets are all extremely large, slightly ruffled and of heavy wax-like substance. Has created a sensation practically every time exhibited. Ea., 8c; doz., 75c; 100, $5.00.

PINK MEDALLION (Vaughan). Early pink Prim. A true pure pink, lower petals have a canary blotch with a feather of the same color as the flower. It is exceptionally early, forces well, and is a rapid propagator. Each, 6c; doz., 60c; 100, $4.00.

PINKPRIM (Vaughan). A large flowered primu-★linus of wonderful salmon-pink, blotched white on lower petals. Each, 5c; doz., 50c; 100, $3.00.

PITITI (New Zealand). Salmon-apricot flaked darker. Throat powdered henna. Plant, spike, florets very large, 10 to 12 open. Each, 50c; doz., $5.00.

PRIDE OF WANAKAH (Christ). Lavender-rose, ★deeper in throat. Each, 6c; doz., 60c; 100, $4.00.

QUEEN HELEN II. (Salbach). Grenadine pink with prominent pinard yellow blotch and carmine feathering deep in throat. Each, 10c; doz., $1.00; 100, $7.

ROSEMARIE PFITZER. Very light pink with faint flecks of creamy hue. Slightly ruffled. Round, "inverted" type florets. Each, 15c; doz., $1.50; 100, $10.00.

SCHWABEN GIRL (Pfitzer). Pure pink self color, ★one of the very best. Each, 15c; doz., $1.50; 100, $10.00.

SMILING MAESTRO (Christ). Deep salmon-rose, flaked brown. Large exhibition type. Each, 20c; doz., $2.00; 100, $15.00.

VIRGINIA SKELLY (Skelly). Dainty, graceful ruffled pink and cream. Fine variety for the garden. Each, 15c; doz., $1.50; 100, $10.00.

WAIRAU (New Zealand). A large slightly-ruffled variety. Ground color pale salmon, intensifying to orange tint, with a distinct border of lavender-gray. Throat marking of cream, suffused with crimson. Eight or more large florets open at one time. Good strong grower. Each, 50c; doz., $5.00.

W. H. PHIPPS (Diener). Enormous flowers of La ★France pink, overlaid with salmon-rose, lighter towards the center. Each, 6c; doz., 60c; 100, $4.00.

PINK MIXED

Made up by ourselves from varieties listed and others. Doz., 50c; 100, $3.00.

BUFF AND ORANGE

DEARBORN (Vaughan). Immense florets of deep ★flesh color, light coral reflex, lip amber yellow, blending to flesh, marked with a feathering of deep crimson. Tall, straight spike with twenty or more florets, four to six open at a time, measuring five to six ins. in diameter. A giant gladiolus that blooms early. Each, 8c; doz., 75c; 100, $5.00.

DUNA (Palmer). Clear, soft, light pinky buff, bit yellow at base. Back of petals a shade darker, 5-6 open on medium tall spike. High in color values and we like it better than Wasaga. Each, 15c; doz., $1.50; 100, $10.00.

LA FIESTA (Salbach). Bright orange. Deeper in throat. Tall, strong, wiry stem. Each, 50c; doz., $5.00.

LA PALOMA (Dusinberre). A large pure orange primulinus of the grandiflora type. Each, 8c; doz., 75c; 100, $5.00.

MAKENU (New Zealand). Large wide open ruffled florets of orange shade, with scarlet blotch. Each, 50c; doz., $5.00.

ORANGE QUEEN (Pfitzer). A large flowered primulinus of wonderful glowing orange, with red stripes on lower petals. Each, 5c; doz., 50c; 100, $3.00.

SENORITA (Salbach). Very clear wide-open orange shading salmon. Each, 8c; doz., 75c; 100, $5.00.

WASAGA (Palmer). Clear apricot, buff throat. ★Large flowers and beautiful for basket work. Trifle darker than Duna. Each, 10c; doz., $1.00; 100, $7.

ORANGE MIXED

Made up by ourselves from varieties listed and others. Doz., 75c; 100, $5.00.

Lake Geneva Collection
GLADIOLUS

Ten each of the following ten representative varieties of Gladiolus (100 first size Bulbs) will be sent postpaid, for . . . $7.00

10 Minuet, Large Lavender
10 Chas. Dickens, Purple Violet
10 Commander Koehl, Dark Scarlet
10 Marmora, Lavender Gray
10 Mary Shary, Clear soft primrose yellow
10 Mildred Louise, Strawberry Pink
10 Maid of Orleans, Milky White
10 Red Lory, Red with Purplish Blotch
10 Rosa Raisa, Violet Blue
10 Wasaga, Clear Apricot

LAVENDER

BYRON L. SMITH (Kunderd). Beautiful lavender-pink on white ground. Each, 8c; doz., 75c; 100, $5.00.

CAPTAIN BOYNTON (Boynton). Light lavender, blotched deeper in throat, one of the nicest lavenders in gladioli. Each, 8c; doz., 75c; 100, $5.00.

DR. MOODY (Kenyon). Light lavender. Each, 8c; doz., 75c; 100, $5.00.

GRAND RAPIDS (Vaughan). Light lavender with a white throat marked with a small blotch of lilac, anthers pure white, reflex of darker lavender, flowers well placed, medium size, 8 to 10 open together. Medium height, early, type of Minuet. First prize at Michigan Gladiolus show for best lavender seedling. Each, 6c; doz., 60c; 100, $4.00.

HEAVENLY BLUE (Pfitzer). Lavender-blue. Each, 10c; doz., $1.00; 100, $7.00.

LAVENDER DELIGHT (Arenius). Deeper and more brilliant than Minuet and making the longest flowerhead and spike of the various lavenders offered. Each, 25c; doz., $2.50.

MILFORD (New Zealand). One of the best. Clear azure-blue, slightly darker at edges of petals. Very large, nine open. Spike and placement good. Each, 50c; doz., $5.00.

MINUET (Coleman). Large light lavender. We ★highly recommend it. Each, 10c; doz., $1.00; 100, $7.00.

MRS. F. C. PETERS (Fisher). A large, late flower-★ing rose-lilac, with a crimson blotch bordered white on lower petals. Each, 7c; doz., 70c; 100, $4.50.

SALBACH'S ORCHID. Very fine lavender. Each, 10c; doz., $1.00; 100, $7.00.

LAVENDER MIXED

Made up by ourselves from varieties listed and others. Doz., 75c; 100, $5.00.

Vaughan's "Standard" Mixture 50 Bulbs - - - - $1.25

We have thrown away all the common and cheap left-overs which our trial grounds have proved to exist in old mixtures. We do not send out any mixtures that will not make a brilliant showing in the gardens of our customers. This one, "STANDARD" MIXED, will be found satisfactory everywhere, for mixed beds, borders and masses, and offered at very moderate prices. These are first-size bulbs. Where wanted by mail add for postage at zone rates, 100 bulbs packed, 6lbs.

Price, doz., 35c, postpaid; by express, not prepaid, 50 for $1.25; 100 for $2.25; 250 for $5.50; 500 for $10.00; per 1,000, $19.00.

Primulinus Hybrids Mixed 100 Bulbs - - - - - - $3.00

The range of colors is from the purest and lightest of yellows to deepest orange and from the softest shade of salmon-pink to rich crimson. On account of their slender and graceful habit, delicate colors and shape of the flowers, they are ideal for vases. Doz., 50c; 100, $3.00.

STANDARD VARIETIES for the Cutting Garden

Albania. White
Alma. Light lavender
America Pink.
Alice Tiplady. Orange
Apricot Glow. Apricot
Berty Snow. Lavender
Butterboy. Yellow
Chicago White
Chateau Thierry. Red
Crimson Glow
E. J. Shaylor. Rose
E. Kirtland. Pink
Giant Nymph. Pink
Halley. Salmon-pink
Joe Coleman. Red
Le Mar. Foch. Pink
Los Angeles. Pink
Louise. Pure lavender
Mrs. F. Pendleton
Mrs. F. King. Scarlet
Odin. Salmon-pink
Peace. White
Schwaben. Yellow
Souvenir. Yellow
Wilbrink. Pink
Windsor. Light-pink.

Any of the above, doz., 50c; per 100, $3.00.

YELLOW

CADILLAC (Vaughan). Tall spike, flowers well ★placed and of good form. Seven open at one time, 5 to 7 buds. Color, golden apricot fading to apricot-rose toward edge of petals, no throat markings, stamens and pistils creamy white. A very warm and pleasing shade. Each, 10c; doz., $1.00; 100, $7.00.

GOLD EAGLE (Austin). Clear yellow. Each. 6c; doz., 60c; 100, $4.00.

GOLDEN CHIMES (Ellis). Highly ruffled light yellow. Each, 20c; doz., $2.00; 100, $15.00.

GOLDEN DREAM (Groff). Clear deep yellow. Each, ★6c; doz., 60c; 100, $4.00.

GOLDEN GODDESS (Salbach). The first patented ★Gladiolus. Ten to sixteen florets open at once, deep rich golden yellow. Introduced only last season, but we have arranged with the patentee for the right to sell this outstanding new Gladiolus. Each, 35c; doz., $3.50.

GOLDEN MEASURE (Kelway). Large, well ex-★panded flowers of golden yellow. It is a very robust and tall grower, a quality unusual in the yellow and blue varieties. Each, 6c; doz., 60c; 100, $4.00.

IMPROVED SCHWABEN (Vaughan). A Schwaben ★seedling retaining the luxuriant growth of its parent, but of a deeper yellow color, with very little throat markings. Each, 6c; doz., 60c; 100, $4.00.

IONIA (Vaughan). A tall grower, carrying a long spike of well placed, apricot colored flowers. Each, 6c; doz., 60c; 100, $4.00.

JEANETTE (Whiteley). Very tall, well set spike. Pale yellow. A ruffled Improved Flora. Each, 35c; doz., $3.50.

MARY SHARY (Vaughan). Clear soft primrose-★yellow with a deeper yellow in throat, faint marking in throat. Spike tall, straight and strong. Flowers well placed, 6 to 8 open. By artificial light remains a beautiful yellow for evening decorations. Each, 10c; doz., $1.00; 100, $7.00.

MRS. M. G. WADE (Whiteley). Clear yellow, large spike. Each, 25c; doz., $2.50.

ROYAL OAK (Vaughan). Primrose yellow, lightly suffused with pink, the lower petals showing a single fine line of red in the center. 5-7 well placed flowers open at a time. The spike carries 16 to 20 buds. Exceptionally early, blooms in 60 days. Strictly a commercial variety. Each, 25c; doz., $2.50.

YELLOW EMPEROR (Ellis). Clear light yellow. Each, 25c; doz., $2.50.

YELLOWSTONE (Vaughan). Early, tall, clear yel-★low primulinus similar to Souvenir, but deeper yellow and better grower. A perfect self-color, beautifully formed. Each, 8c; doz., 75c; 100, $5.00.

YELLOW AND ROSE MIXED

Made up by ourselves from varieties listed and others. Doz., 50c; 100, $3.00.

SMOKY

AU-GRES (Vaughan). Early 75 to 80 days. Color, ashes of roses with a conspicuous white throat; very novel and attractive combination. Medium height and flowers well placed. Each, 10c; doz., $1.00; 100, $7.00.

BAGDAD (Palmer). Very large smoky old-rose. ★Each, 10c; doz., $1.00; 100, $7.00.

COPPERSHEEN (Vaughan). A very attractive ★primulinus novelty. It contains a blending of colors difficult to describe, but which gives the flower a bronzy orange effect. The florets are round, well hooded and spaced separately on the spike, characteristic of the prim type. Each, 6c; doz., 60c; 100, $4.00.

EMILE AUBRUN (Lemoine). Coppery bronze with ★cherry blotch. Each, 8c; doz., 75c; 100, $5.00.

HURON (Vaughan). Light ashes of roses shade on upper petals, lower petals plum, shading to center with blotches of cream. Each, 10c; doz., $1.00; 100, $7.00.

MARMORA (Errey). Lavender-gray, dark blotch. ★Each, 8c; doz., 75c; 100, $5.00.

MOTHER MACHREE (Stevens). Soft smoky laven-★der. Large flower and plant with large number out, excellent arrangement, remarkable substance, beautiful coloring of lavender and orange, subdued with neutral gray. Each, 10c; doz., $1.00; 100, $7.00.

ROMANCE (Kunderd). The color of this flower is difficult to describe, a very beautiful blend of orange, salmon and rose, with a throat of red and yellow. Each, 8c; doz., 75c; 100, $5.00.

TAWNY (Vaughan). Very tall spike (50 inches), 7 large flowers open, 10 buds, flowers well placed. Color, deep rose-apricot faintly laid with pale rose-violet at the edges. Remarkably silky texture. Very large flowers well placed, stamens and pistils white. An outstanding flower. Each, 10c; doz., $1.00; 100, $7.00.

SMOKY MIXED

Made up by ourselves from varieties listed and others. Doz., $1.00; 100, $7.00.

Century of Progress Gladioli, 50c

30 Bulbs Flowering Size; Not Less Than Six Varieties

Fifty Cents never bought more beauty than our Special Offer of 30 Flowering Size Bulbs, including not less than Six Varieties (our selection), all separately bagged and labeled, prepaid 600 miles.

RED AND SCARLET

AMADOR (Kingsley). Brilliant and glowing scarlet, day or night, 5 to 8 very large florets open on a strong spike. Each, 10c; doz., $1.00; 100, $7.00.

BRIGHTNESS (Whiteley). Bright orange-scarlet, crimson blotch, edged yellow, showy garden decorative. Each, 50c; doz., $5.00.

★COMMANDER KOEHL (Pfitzer). An outstanding variety in form and color. Gigantic flowers of dark scarlet, well formed, no blotches. Each, 10c; doz., $1.00; 100, $7.00.

DANNY BOY (Julyan). Underground color of henna to deep plum red, glazed with plum-purple towards edge of petals, giving a beautiful purple brown effect. This remarkable coloring is set off with a throat of tangerine, with bright cherry-red striping. Good strong grower, with eight to twelve open at one time. Each, 50c; doz., $5.00.

DIANA (Zeestraten). Clear, rich blood-red, well placed and beautifully formed. Each, 6c; doz., 60c; 100, $4.00.

★DR. F. E. BENNETT (Diener). Scarlet throat stippled with ruby and white. Big, vigorous, a ribbon winner. Each, 6c; doz., 60c; 100, $4.00.

FOREST FIRE (Piper). Flowers are a dazzling shade of orange-scarlet, gigantic in size. Each, 20c; doz., $2.00; 100, $15.00.

G. J. McKAY (Whiteley). Tomato-red with deeper throat. Large spike and ruffled flowers. Each, 35c; doz., $3.50.

HEINRICH KANZLEITER (Pfitzer). Brilliant dark, velvety blood-red, the largest and earliest of dark gladioli. Each, 6c; doz., 60c; 100, $4.00.

MARTHA PHILLIPS (Vaughan). Dark solid red. Each, 8c; doz., 75c; 100, $5.00.

★MRS. FRANCES L. KARCHER (Vaughan). Light salmon blending to an orange on outer edge of petals, throat petals striped with crimson. Reflex orange-crimson. Tall, straight spike, flowers well placed, 6 to 8 blooms open, free bloomer, early. An ideal commercial orange-scarlet. First at Michigan show for best orange and best commercial seedling. A fine cut flower. Each, 10c; doz., $1.00; 100, $7.00.

ORPHEUS (Pfitzer). Fine blood-red, with many blooms open at one time. Each, 10c; doz., $1.00; 100, $7.00.

PFITZER'S TRIUMPH (Pfitzer). Salmon-red with darker blotch. Very large flower. Each, 7c; doz., 70c; 100, $4.50.

PIRATE (Palmer). Shades of carmine and pomegranate-purple. Each, 15c; doz., $1.50; 100, $10.00.

PRINCEPS (Fleet). The parent of modern gladiolus. Immense scarlet, white throat. Each, 10c; doz., $1.00; 100, $7.00.

★RED LORY (Errey). Red with purplish blotch. Fine for exhibitions. Each, 10c; doz., $1.00; 100, $7.00.

★RED PHIPPS (Briggs). Really a pink overlaid scarlet. Each, 10c; doz., $1.00; 100, $7.00.

★SOUTHERN CROSS (New Zealand). Large, deep red. Very good color. Each, 15c; doz., $1.50; 100, $10.00.

TIP TOP (Pfitzer). Warm red to scarlet. As tall as Aflame, florets as large, but of the wide-open, flat type, 6 to 8 open on long, strong spikes. Each, 15c; doz., $1.50; 100, $10.00.

★WURTEMBERGIA (Pfitzer). Large scarlet with broad soft cream blotch. Each, 15c; doz., $1.25; 100, $8.00.

RED AND SCARLET MIXED

Made up by ourselves from varieties listed and others. Doz., 50c; 100, $3.00.

THRIPS

Vaughan's gladiolus farms have so far been free from thrips infestation. In spite of this, all bulbs sold by us are given cyanide treatment to kill thrips insects and eggs, and require no further treatment to insure freedom from thrips when planted. However, on application, we will supply the formula for those who desire to treat their own bulbs.

COMMANDER KOEHL. Each, 10c; doz., $1.00.

BLUE AND PURPLE

ANNA EBERIUS (Diener). Dark, velvety maroon-purple. Each, 8c; doz., 75c; 100, $5.00.

★ANNIE MAY (Vaughan). A beautiful lilac shade with pure white throat, enormous tall spike sometimes growing 5 feet tall. Each, 25c; doz., $2.50.

AVE MARIA (Pfitzer). Extremely good blue-purple. Strong grower, flowers well arranged. Each, 10c; doz., $1.00; 100, $7.00.

★BLOOMINGTON BEAUTY (Vaughan). Good spike, 5 open flowers, 10 buds, flowers well placed. Color amaranth with crimson blotch on lower petals. Stamens light amaranth. Each, 10c; doz., $1.00; 100, $7.00.

BLUE DANUBE (Pfitzer). Pure amethyst blue with real blue blotch. Each, 15c; doz., $1.50; 100, $10.00.

★BLUE ROYALE (Vaughan). True violet-blue. Very prolific and much larger, taller and stronger grower than any other blue we or any one else have ever introduced. In season it is later than Rosa Raisa or Mrs. T. J. Knudson. It won first place as the best purple or violet at Atlantic City show. An outstanding advance in this new color. Each, 10c; doz., $1.00; 100, $7.00.

★CANYON VIOLET (Vaughan). Another of the famous Vaughan violet and blue shade varieties. Deep violet-blue with a darker and larger bloom than our Rosa Raisa or Blue Royale. Very tall and a strong grower. Each, 35c; doz., $3.50.

CHAS. DICKENS (Pfitzer). Purple-violet. Each, 8c; doz., 75c; 100, $5.00.

BLUE AND PURPLE—Continued

★KALAMAZOO (Vaughan). Large, compact flowers of beautiful violet-purple, with a creamy white throat. Each, 7c; doz., 70c; 100, $4.50.

★MRS. T. J. KNUDSON (Vaughan). This is one of the Vaughan's blues much admired at all shows and in a class with Rosa Raisa. Clear light violet, shading deeper towards the outer edge of petals. The throat has a deep violet plume, tipped or capped by a characteristic bright creamy spire giving it a very striking effect. Florets are medium in size, with many, well placed, open at one time. This is an outstanding introduction in a color-class where good varieties are scarce. Mid-season, strong grower of good height. Each, 8c; doz., 75c; 100, $5.00

★PELEGRINA (Pfitzer). Deep blue. Each, 8c; doz., 75c; 100, $5.00.

★RHAPSODY IN BLUE (Vaughan). Pale blue violet with deep violet throat. Flowers well placed, many open at once. A distinct acquisition to the all too few good blues. Each, 50c; doz., $5.00.

★ROSA RAISA (Vaughan). Long spike, flowers well placed and of very good size; 4 open at one time, 10 buds. Color, lower 3 petals blotched with violet, upper petals pale mauve shading to violet edge. Stamens violet. Compared to "Veilchenblau," flowers larger, contrast between upper and lower petals more intense. A better propagator. Each, 8c; doz., 75c; 100, $5.00.

★SOVEREIGN (Vaughan). The best purple variety. The flowers are the same color as those of Baron J. Hulot, but very much larger. The flowers are full and of rounding form, well placed on a tall, strong spike. Each, 8c; doz., 75c; 100, $5.00.

BLUE AND PURPLE MIXED

Made up by ourselves from varieties listed and others. Doz., 60c; 100, $4.00.

WHITE

★ALBATROSS (Pfitzer). Pure white. Each, 15c; doz., $1.25; 100, $8.00.

JOERGS WHITE (Joergs). Large pure white. Each, 10c; doz., $1.00; 100, $7.00.

★MAID OF ORLEANS (Pfitzer). Milky white, cream throat. Each, 15c; doz., $1.50; 100, $10.00.

★MAMMOTH WHITE (Pfitzer). One of the largest white varieties in existence. Flowers are pure, glistening white. A perfect exhibition flower. Each, 10c; doz., $1.00; 100, $7.00.

★POLAR ICE (Pfitzer). Pure white. Several open. Tall spike. Each, 15c; doz., $1.50; 100, $10.00.

POMPADOUR (Vaughan). Extra tall and strong, upright spike, 9 flowers open, 14 buds. Flowers well placed, remarkable texture, of good form and size, ruffled. Color pale ivory, tip deep cream, narrow line of crimson-lake on three lower petals; stamens slate-violet, pistil white. Very desirable. Each, $1.00; doz., $10.00.

★SEAFOAM (Vaughan). White Primulinus. Good spike, flowers well open, medium size, stamens white color, pure white with greenish reflex, four flowers open, 7 to 9 buds. A wonderful producer. Each, 8c; doz., 75c; 100, $5.00.

SHIRLEY TEMPLE (Pruitt). Color, rich cream, almost white, with richer cream throat mark. Six to eight very large, most beautifully ruffled flowers open at one time. A maximum spike is equal in size to Picardy or Miss New Zealand. Despite its enormous size it carries not the least bit of coarseness. As a cut-flower it will stand up with the best of them, the last bud on the spike blooming out perfectly. Makes beautiful foliage and large, high crown bulbs. Makes ample bulblets that grow readily, without pregermination. It blooms some later than Picardy. Large bulb, each, $4.00; bulblets, each, 50c.

★STAR OF BETHLEHEM (Pfitzer). Enormous snow white. Good exhibition variety. Each, 20c; doz., $2.00; 100, $15.00.

★VAUGHAN'S WHITE (Vaughan). Many large, well-expanded flowers of satiny white are open at one time. It is larger flowered and more vigorous in growth than Europa, and as prolific as America. Without doubt it is the best white yet introduced. Each, 10c; doz., $1.00; 100, $7.00.

WHITE PENDLETON (Vaughan). This is a white sport of the well-known variety Mrs. Frank Pendleton. It is pure white, with a dark blotch in the throat. Each, 8c; doz., 75c; 100, $5.00.

WHITE MIXED

Made up by ourselves from varieties listed and others. Doz., 75c; 100, $5.00.

"Small Garden" Collection of Summer Bulbs

$1 30 bulbs, of 7 varieties, separately bagged and labeled, prepaid 600 miles.

To give you an idea of the beauty and variety to be found in bulbs which can be planted in the spring for summer flowers, we offer the following group of first quality bulbs:

3 Tigridias (Mexican Shell-flowers), 3 Tuberoses (Mexican), 6 Montbretias Mixed, 12 Oxalis Mixed, 3 Zephyranthus (Fairy Lily), 3 Madeira Vines.

Bulbs for the Summer Garden

Bulbs Shipped Separately from Seed

Because of weather conditions during January, February and early March, we prefer to send out bulbs after March 20th except to customers in the south or California, to whom we ship at once, packed against freezing. Customers should open the package upon arrival and if bulbs can not be planted at once they should be placed in a dry and frostproof cellar until ready to plant.

ACIDANTHERA

ACIDANTHERA Bicolor

A valuable bulbous plant for greenhouse or open ground. Each flower-stalk produces from four to eight widely expanded fragrant flowers, of creamy white color with broad violet-maroon blotches. The flowers are very lasting and, being borne on long stems, are excellent for bouquets and table decorations. The bulbs should be treated like gladiolus.

Medium Size Bulbs, each, 20c; doz., $1.75; 100, $12.00.

Large Size Bulbs, each, 25c; doz., $2.50; 100, $18.00.

AMARYLLIS

Largest of flowers which are easily forced indoors, our new hybrids are so gorgeous in size and coloring as to amaze those not familiar with them.

Vaughan's New Hybrids. One of the finest strains of amaryllis we have seen. We can supply bulbs in the following selected colors. Bulbs are two-inch and up in diameter.

Mixed. Flowers are immense, in an amazing range of color blends, splashed and striped in a manner not seen in other strains.

	Each	Doz.	100
2-2½ in. Dia.	$0.30	$3.00	$22.50
2½-3 in. Dia.	.45	4.50	30.00
3-3½ in. Dia.	.55	5.50	40.00

We can supply in separate colors. Each, 75c; doz., $7.50, in the following shades:

Dark Red.
Light Red.
Salmon.
Rose.
Red with Light Stripes.
Light Shades.

ANEMONE (Windflower)

The variety offered below are charming hardy flowers. They are suitable for pot or border culture and, when planted in masses, are most effective. They succeed best in a light, rich well-drained loam. Plant shallow as soon as the ground can be worked in the spring.

Special Mixed, doz., 60c; 100, $4.00; 1,000, $35.00, prepaid.

St. Brigid—A grand strain of Poppy Anemones whose flowers range in color from the deepest crimson to the purest white, embracing such delicate shades as cobalt, light-red, rose, salmon-pink, and heliotrope. Most are semi-double. Doz., 75c; 100, $5.00; 1,000, $45.00, prepaid.

APIOS Tuberosa

Splendid hardy climber. Will grow to a height of 8 to 10 feet, vine and foliage resembling a Wistaria; deep purple color, fragrant.

Price, each, 15c; doz., $1.50; 25 for $2.50, prepaid.

BEGONIAS

Tuberous Rooted—Unexcelled for summer bedding, such as lawn beds and borders. Make fine pot-plants. When fully exposed to the sun the beds must be kept moist. **All prepaid.**

Crispa Single—Red, orange, yellow, rose, white. Large flowered.

1½-2-inch. Each, 25c; doz., $2.50; 100, $18.00.

2-inch. Each, 30c; doz., $3.00; 100, $22.50.

Camellia Flowered Double—Red, yellow, rose, white, orange. Very choice strain.

1½-2-inch. Each, 25c; doz., $2.50; 100, $18.00.

2-inch. Each, 30c; doz., $3.00; 100, $22.50.

Carnation Flowered or Frilled—Same colors as above.

1½-2-inch. Each, 25c; doz., $2.50; 100, $18.00.

2-inch. Each, 30c; doz., $3.00; 100, $22.50.

Pendula—Used in hanging baskets. Each, 25c; doz., $2.50; 25 for $4.50. Double blooming, many fine pinks.

Narcissus-Flowered in Mixture, a remarkable race of tuberous-rooted Begonias, the inner petals being joined into a large semi-double or single corona with petals elegantly crimped at margin. Each, 30c; doz., $3.00; 25 for $5.50.

BESSERA Elegans

New introduction from Mexico. Dainty bell-shaped flowers, orange-red outside, creamy white with orange stripe inside, with purplish stamens, hanging in an interesting umbel from the tip of a graceful wiry stem 18 to 24 inches tall. Foliage inconspicuous. Blooms freely from July to last of September. Cuts well and is exceptionally interesting in flower arrangements. Should be dug in fall except in milder climates. Each, 20c; 3 for 50c; doz., $2.00.

AMARYLLIS

CALADIUM Esculentum

Elephant's Ear—One of the most effective foliage plants for beds and borders. Can be used with good effect as a border for tall-growing Cannas when edged with Coleus or other low-growing foliage plants.

First Size—5 to 7-inch circumference. Mailing weight, 4 lbs. per doz.

Price, 3 for 25c, prepaid; doz., 90c; 25 for $1.50, not prepaid.

Select Size—7 to 9-inch circumference. Mailing weight, 6 lbs. per doz.

Price, 3 for 40c, prepaid; doz., $1.50; 25 for $2.50, not prepaid.

Extra Large—9 to 11-inch circumference. Mailing weight, 10 lbs. per doz.

Price, 3 for 75c, prepaid; doz., $2.50; 25 for $4.50, not prepaid.

Mammoth Size—12-inch and up. Mailing weight, 17 lbs. per doz.

Price, each, 50c; 3 for $1.25, prepaid; doz., $4.25; 25 for $7.50, not prepaid.

CALLA LILY Golden Yellow

Calla Elliottiana. Beautiful variety, same habit and growth as ordinary white Calla; flower same size and shape, rich, clear, lustrous golden yellow; foliage dark green with translucent creamy spots. Strong bulbs, which grow and flower very easily in pots in the house.

Bulbs. 1¾-2-inch, each, 20c; doz., $2.00; 100, $15.00. 2-2½-inch, each, 30c; doz., $2.75; 100, $20.00.

CALLA (Richardia Maculata)

Spotted leaf. Can be planted out of doors after danger of frost is over. Take up in fall before freezing. Each, 20c; doz., $1.75; 100, $12.00.

CHLIDANTHUS Fragrans

Chlidanthus Fragrans (The Gold Flower)—Produces clusters of from two to four golden yellow, trumpet-shaped flowers that are delicately fragrant. Handle in the same manner as gladiolus. Also a nice plant for pots.

Price, each, 15c; doz., $1.50; 100, $10.00, prepaid.

CINNAMON VINE (Dioscorea Batatas)

Well-known hardy climber; quick grower, with beautiful glossy heart-shaped leaves and sweet-scented flowers. Vines will run 25 to 40 feet in a season.

Price, Medium Size Roots, each, 10c; doz., 90c; 100, $6.00, prepaid.

Large Roots, each, 15c; 3 for 40c; doz., $1.50; 25 for $2.50, prepaid.

GLOXINIAS

These showy plants are easily grown in pots for summer or winter blooming. They make a glorious display and bloom for a long time. Plant the bulbs in small individual pots. The soil best suited should contain plenty of leaf-mold, some sand and well-rotted manure. Place the pots in a warm window and keep moderately moist, but do not water to excess. When the roots become crowded in the first pot, the plants should be transplanted into larger ones. Protect against direct strong sunlight.

Dark Blue with White Throat
Blood Red—Pink white throat
Scarlet with white band
Deep Violet with white band
Violet Blue

Each, 35c; 3 for $1.00; doz., $3.50.

DOUBLE BEGONIA

GLOXINIAS

MILLA BIFLORA

Bulbs for the Summer Garden

HYACINTHUS CANDICANS

ISMENE CALATHINA

MONTBRETIAS

TUBEROSES

HYACINTHUS Candicans

(Galtonias)

Summer Hyacinth—Perfectly hardy and of vigorous growth. Flowers are pure white and pendulous, 4 feet high.

Price, First Size, each, 15c; doz., $1.50, prepaid; **Selected Size,** each, 20c; doz., $2.00, prepaid.

ISMENE Calathina

(Peruvian Daffodil)

Flowers are pure white, borne three or four on a stem, and are very fragrant. Not hardy. **Price,** each, 25c; doz., $2.50, prepaid.

LILY OF THE VALLEY

Large Clumps—For outdoor planting, we especially recommend clumps, as they are more quickly effective. These do best in a shady, moist place.

Each, 65c; dozen, $6.00; prepaid.

MADEIRA VINE

(Boussingaultia Baselloides.)

One of the best and most popular climbers for foliage effect. Increases very rapidly, large roots.

Price, each, 10c; 3 for 25c; doz., 90c; 25 for $1.50; prepaid.

MILLA Biflora

New introduction from Mexico, where it is called Estrellitas, or Little Stars, by the country people. Showy white flowers, opening out flat, waxy in texture, about two inches in diameter, with six petals not quite separated. A faint stripe of soft apple green runs from tip to base on the outside of each petal. The stems are wiry, 12 to 18 inches tall, bearing two to seven flowers each. Foliage inconspicuous. Very free blooming from July to September. Flowers cut well and have a pleasant lily-like fragrance. Should be dug in fall, except in milder climates.

Each, 20c; doz., $1.75; 100, $12.00.

OXALIS

Summer-Flowering—Useful little plants, very effective in masses or beds and particularly valuable for edgings. They produce an unbroken row of foliage about one foot high in continuous bloom. Very fine to grow in hanging baskets indoors. The colors are white, red, pink.

Price, either color, doz., 30c; 25 for 50c; 100 for $1.75, prepaid.

MONTBRETIAS

Plant Early

Montbretias are easily grown and their graceful flower-stems add much to any garden. They are also highly valued for cut flowers and can be grown in flowerpots in the house. Our mixture contains many bright shades of yellow, salmon, orange, and scarlet.

They are easily cultivated, doing best in a light loamy soil enriched with leaf mould and a little lime, no manure. When the plants are established, a little bonemeal may be given. No other attention is necessary other than weeding and watering.

Where the ground freezes deeply in the winter, they can be treated as gladioli—lifted and stored in sand in some place free from frost, ready to replant in spring. But in localities where the ground does not freeze deeply, the usual winter protection may be given, and they will multiply and produce beautiful clumps of showy autumn flowers.

Special Mixed. Price, each, 10c; 3 for 25c; doz., $1.00; 100, $7.00, prepaid.

Earlham Large Flowered Hybrids

They are a completely new race of flowers, the result of hybridization successfully carried out by the late Mr. Sydney Morris of Earlham Hall, Norwich. They represent an enormous advance, being generally much taller and more robust in growth, and having flowers of great size and beauty, some measuring 3 to 4 inches.

Aurora—A large brilliant golden orange flower. Suffused with shades of apricot.

Each, 20c; doz., $2.00; 100, $15.00.

His Majesty—Flowers measuring 4 inches or more across, very broad-petalled, deep velvety scarlet shading down to gold, reverse of petals dark crimson shading down to gold.

Each, 30c; doz., $2.75; 100, $20.00.

James Coey—Rich deep vermilion-scarlet with golden-orange luster, center yellow with crimson blotches.

Each, 20c; doz., $2.00; 100, $15.00.

Lemon Queen—Creamy yellow, pale center and deep orange buds.

Each, 20c; doz., $1.75; 100, $12.00.

Marjorie—Orange-yellow with crimson center. Beautiful flower.

Each, 20c; doz., $1.75; 100, $12.00.

Princess Mary—Bright canary yellow with crimson tips and crimson on reverse petals. Very beautiful.

Each, 30c; doz., $2.75; 100, $20.00.

Pocahontas—Rich coppery scarlet with golden luster. Center orange with small blood-crimson blotches.

Each, 30c; doz., $2.75; 100, $20.00.

Una—Rich apricot with carmine blotch. Well shaped flower.

Each, 25c; doz., $2.50; 100, $18.00.

RANUNCULUS (Buttercup)

Beautiful double flowers, resembling rambler roses. Grow from a foot to two feet tall. Our special mixture contains all shades of red, pink, orange, yellow, and a few white. Bulbs are curious, claw-shaped, which should be soaked overnight, then dried (not in sun) for half a day before planting, claws downward. This plant is a half-hardy perennial which will live through the winter if given a good covering of leaves or straw.

Victoria Hybrids (Special Strain)—Doz., 75c; 100, $5.00; 1000, $45.00.

TUBEROSES Double

(Polianthes Tuberosa.)

Easily recognized by its exquisite fragrance and beautiful flower-spikes, which are borne on long stems, making it an admirable cut-flower. If started in pots, and at the end of May moved to open ground, can be flowered much earlier.

Excelsior Dwarf Pearl Double

Mammoth Bulbs—Each, 15c; doz., $1.50; 25 for $2.50, prepaid.

First Size—Each, 10c; doz., $1.00; 25 for $1.50, prepaid.

Second Size—Price, doz., 50c; 25 for $1.00, prepaid.

Single Varieties

Variegated—An early single flower, with striped leaves.

Price, each, 10c; doz., $1.00; 25 for $1.50, prepaid.

Albino—Branching single variety, early and very free-flowering.

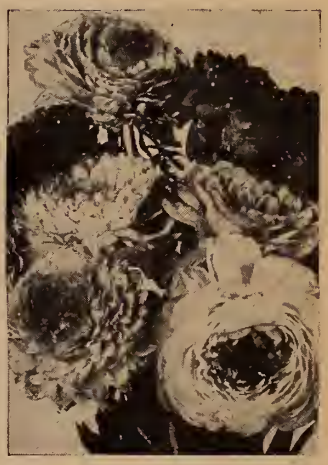
Price, each, 10c; doz., $1.00; 25 for $1.50, prepaid.

Mexican—They have tall, stiff stems, flowers pure white, single; true tuberose fragrance.

Price, doz., 50c; 25 for $1.00, prepaid.

Storing Tuberous Rooted Begonias

It is not difficult to carry tuberous rooted begonias from one year to another if the tubers are properly cared for. Plants growing in beds should be lifted before hard frosts come. The tubers should be dried and packed in sand, sawdust or peat moss. Then they should be stored in boxes and placed in a room or cellar with a temperature kept close to 50 degrees. They should be started into growth in late February or March. It is important not to delay much later than March 15. Plants in pots should be dried off gradually and then stored in a dark place with a temperature at 50.



RANUNCULUS

SPREKELIA

SPREKELIA Formosissima

(Jacobean Lily)

Closely allied to the Amaryllis, bearing showy brilliant crimson flowers. Dormant bulbs planted in the border early in May will flower within 3 or 4 weeks after planting, or they may be flowered as pot plants in the house during the early spring months.

Medium Size—Each, 20c; doz., $2.00; 100, $15.00.

Large Size—Each, 25c; doz., $2.50; 100, $18.00.

Bulbs for the Summer Garden—Continued

ZEPHYRANTHUS

ZEPHYRANTHUS

Fairy Lily, Zephyr Lily

One of the prettiest and most easily grown bulbs. Plant in open ground like gladiolus bulbs.

Candida—Pure white and the most profuse bloomer of all.

Price, doz., 50c; 25 for 80c; 100, $3.00, prepaid.

Rosea—Beautiful clear rose; flowers large and very handsome.

Price, each, 15c; doz., $1.40; 100, $8.50, prepaid.

Capron, Ill.

I just want you to know how pleased I am with the Glad bulbs I got from you this spring. I have never seen larger blooms or more gorgeus colors. You may be sure I am going to order some of your forced bulbs for winter flowers.

Muriel Johnson.

TIGRIDIA

(Shell-Flower of Mexico)

Few flowers are more gorgeously colored or so beautiful. Plant in sunny positions in a flower border in well-drained soil. Put a little sand under the bulb. Can also be used in beds. They bloom from July until frost. Height, 3 ft.

	Each	Doz.	100
Scarlet, Yellow, Orange	$0.20	$1.75	$12.00
Blush Pink shades, Rose " , White "	.25	2.50	18.00

Mixed. Price, each 15c; doz., $1.50; 100, $10.00, prepaid.

CROCUS
FALL FLOWERING
READY IN AUGUST

Speciosus. Deep blue.
Zonatus. Soft lilac.
Doz., 50c; 100, $3.50, prepaid.

TIGRIDIA

Lilies for Spring Planting

HARDY lily bulbs, of 1937 crop, carried over the winter in cold storage, may be planted in the spring, and will blossom in mid-summer, when the garden needs their glory.

Lilies are truly among the most beautiful of all bulbous plants. They are especially suitable for planting in herbaceous borders, and enjoy a position where they are protected by the shade of surrounding plants. Light, well-drained soil is recommended. Bulbs should be planted 5 to 6 inches below the surface, and to prevent the accumulation of excessive moisture, surround the bulb with coarse sand and fill in with a mixture of fibrous loam and leaf-mould. Refrain from planting in a lime or chalky soil.

Many varieties are termed "stem-rooters"—that is, they develop roots on the stem up to two or three inches from the ground. These roots are voracious feeders, and on them depend greatly the number and size of flowers. When they appear, the plant should receive a top dressing of good rich soil on which they can feed freely.

For the smaller varieties, plant in clumps, each bulb about 6 inches apart, leaving more space for the strong and larger species. The most striking mode of planting is in groups of 3 to 9 bulbs in a mass.

AURATUM PLATYPHYLLUM (Improved Auratum)—Superior to Auratum in larger flowers, profuse blooming, and glossy foliage. First Size (8-9 inches), each, 30c; doz., $2.75; 100, $20.00; prepaid. Mammoth Size (9-11 inches), each, 40c; doz., $4.00; 100, $30.00; prepaid. Jumbo Size (11-13 inches), each, 55c; doz., $5.50; 100, $40.00; prepaid.

AURATUM—The Gold-Banded Lily of Japan, grows four to seven feet tall, blooming in July and August. First Size (8-9 in.), ea., 25c; doz., $2.50; 100, $18.00; prpd. Mammoth Size (9-11 in.), ea., 30c; doz., $3.00; 100, $22.50; prepaid. Jumbo Size (11-13 in.), ea., 45c; doz., $4.50; 100, $35.00; prpd.

BATEMANNIAE—Gorgeous deep apricot colored lily resembling Umbellatum. July flowering. 3 feet. Each, 25c; doz., $2.50; 100, $18.00; prepaid.

BROWNII—Massive trumpet shaped flowers, deliciously fragrant. They open pale yellow and fade quickly to a pure, creamy white color. The outside of the trumpets is bronze. Easy to grow if good drainage is provided. Height, 2½ to 3½ ft. Each, 50c; per doz., $5.00.

CANADENSE—Mixed, red, and yellow, grows two to five feet; often as many as forty flowers. Each, 20c; doz., $2.00; 100, $15.00; prepaid.

LILIUM ELEGANS (Lilium Thunbergianum)—A very beautiful group of showy Japanese Lilies flowering in June and July and growing 1½ to 2 feet high. This is a lily of easy culture, highly recommended for naturalizing, and excellent for rock-gardens.

Mixed. Good range of reds and yellows. Each, 20c; doz., $2.00; per 100, $15.00; prepaid.

LILIUM HANSONI—The flowers are a deep orange-yellow shade, spotted brown. It grows three to four feet high, blooming during the latter part of June. Although perfectly hardy, the bulbs, which should be planted six to eight inches deep, require a covering of straw or boughs of trees to keep them from starting into growth too early. Plant in semi-shade. Each, 45c; doz., $4.50; 100, $30.00; prepaid.

LILIUM HENRYI—A very beautiful lily from central China growing all the way from four feet to eight feet, and often carrying as many as twenty bright orange-yellow, slightly spotted reddish brown, flowers in August. It is one of the very best lilies for general culture; hardy, robust, long-lived, growing in almost any soil and situation, although it requires good drainage. 8 to 9 inch, each, 20c; doz., $2.00; 100, $15.00; prepaid. 9 to 11 inch, each, 30c; doz., $3.00; 100, $20.00; prepaid.

LILIUM JAPONICUM (Formerly Lilium Krameri)—The flowers, a lovely shade of pale pink, are tubular, being held in horizontal position. They first form a wide cup, and then the petals, with their frilly margins, spread out and curl around. Flowers in June. This lily is not an easy garden subject, and is best grown in pots and after all danger of frost is over can be set out in the garden. Plant five inches deep, in a light, peaty soil which must be well drained. Each, 30c; doz., $3.00; 100, $20.00; prepaid.

LILIUM LONGIFLORUM (Outdoor Easter Lily)—Large, tubular flowers of pure white, giving forth a pleasing fragrance. This lily is the same as the Easter lily in appearance, but is a better garden subject, as it can withstand a lower temperature. Each, 25c; doz., $2.50; 100, $18.00; prepaid.

LILIUM REGALE—The large, trumpet-shaped flowers are snowy white, with a pure yellow center, while the exterior of the petals is slightly tinged pink. It is a strong grower, attaining the height of three or four feet. The flower, besides being eminently beautiful, possesses a delightful fragrance. The bulb, which should be given good, sharp drainage (as should all lilies), is perfectly hardy, usually presenting a dried, shriveled appearance. First Size (6-7 in. in circumference), each, 15c; doz., $1.50; 100, $10.00; prepaid. Select Size (7-8 in. in circumference), each, 20c; doz., $2.00; 100, $15.00; prepaid. Mammoth Size (8-9 in. in circumference), each, 30c; doz., $3.00; 100, $22.00; prepaid. Jumbo Size (9-10 in. in circumference), each, 40c; doz., $4.00; 100, $28.00; prepaid. Extra Jumbo, 10-11 inch, each 50c; doz., $5.00; 100, $37.00.

LILIUM SPECIOSUM RUBRUM (Magnificum) (The Lance-Leaved Lily)—The typical form is white, flushed pink, and heavily spotted with carmine. The stem is about four feet high and has fresh, green, lance-shaped leaves, and the frilly flowers face downward and carelessly roll back their petals, while the stamens and pistil curl way out. A very beautiful lily, perfectly hardy, very seldom diseased, and a late August and early September bloomer. Plant the bulbs eight to ten inches deep. First Size (8-9), each, 20c; doz., $2.00; 100, $15.00; prepaid. Mammoth Size (9-11), each, 30c; doz., $3.00; 100, $22.00. Jumbo Size (11-13), each, 45c; doz., $4.50; 100, $32.00; prepaid.

LILIUM SPECIOSUM ALBUM—A pure white form of Lilium Rubrum. First Size (8-9), each, 35c; doz., $3.50; 100, $25.00; prepaid.

Auratum Platyphyllum. Each, 30c; doz., $2.75.

LILIUM SUPERBUM (American Turk's Cap, Swamp Lily)—The most magnificent and showy of the native North American species, well worthy of extensive culture. This splendid lily produces from one to forty flowers of brilliant orange-scarlet, shaded yellow and spotted purplish brown, in late July and August. Height 3-8 feet. Each, 20c; doz., $2.00; 100, $15.00; prepaid.

LILIUM TENUIFOLIUM—The lovely Coral Lily of Siberia. A great beauty. The brightest of all lilies. Grows 20 inches high, with finely cut foliage, slender stems and beautifully shaded coral-red flowers. One ought to grow them by the dozen, they are so fine for cutting and making clumps for the lawn. Blooms very early. Each, 20c; doz., $2.00; 100, $15.00; prepaid.

LILIUM—TIGRINUM SPLENDENS—(Tiger Lily)—Because it is so widely cultivated in this country, this lily has come to be looked upon as native, but it originally came from China and Japan. The flowers are orange, spotted purple, opening in August and September on 2-4 foot stems. Each, 15c; doz., $1.50; 100, $10.00; prepaid.

LILIUM—TIGRINUM FLORE PLENO—(Double Tiger Lily)—Probably the only desirable double flowered lily in cultivation. Colors and habit same as that of Tigrinum Splendens. Each, 20c; doz., $1.75; 100, $12.00; prepaid.

LILIUM UMBELLATUM (Subspecies of Davuricum)—They are early flowering, blooming during the first part of June. Usually attaining the height of two to three feet, they carry four to six flowers of cup-shape. **Grandiflorum**—Orange-red, very large flowers. Each, 25c; doz., $2.50; 100, $20.00, prepaid.

LILIUM PHILLIPINENSE FORMOSANUM—A refined and graceful lily with long wide-mouthed trumpet flowers of the purest white, slightly marked externally with reddish-brown. Plants grow to height of two to three feet, very robust and offer great resistance to wind and weather. Hardy, very fragrant and one of the loveliest of new varieties. Each, 20c; doz., $2.00; 100, $15.00, prepaid.

Umbellatum. Each, 25c; doz., $2.50.

Vaughan's Hardy Climbing Vines

EVERBLOOMING HONEYSUCKLE.
(Lonicera Heckrotti)

Dozen plants supplied for the price of 10. Six plants of a kind supplied at the dozen rate. If wanted by Parcel Post, add 5c per plant for postage.

TO MAKE a green canopy over pergolas, clothe bare walls with beauty, adorn trellises, transform fences into walls of green, and for many other purposes, hardy climbing vines are useful in the garden. We list varieties of proved merit, among which will be found subjects suitable for any of the uses mentioned.

BITTERSWEET (Celastrus Scandens)

A native climbing or twining plant with handsome large leaves; yellow flowers in May and June and clusters of ornamental orange-capsuled fruit in autumn. One of the most desirable climbers for shade. 2 yr., **50c**; doz., **$5.00**: 3 yr., **60c**; doz., **$6.00.**

CREEPER (Ampelopsis)

Boston or Japanese Ivy. (Ampelopsis Tricuspidata or Veitchei). The grandest hardy climbing vine in existence for covering houses, churches, schools, etc. Its glossy, ivy leaves overlap each other, and its long delicate young shoots stretch up the walls with free and rapid growth. The tendrils at nearly every point cling firmly to the smoothest surface of rock or brick. 2 year, **50c.**

Engelman's Creeper (Ampelopsis Engelmani). One of the hardiest, best and quickest growing climbers for the north and northwest. Quite similar to the Virginia Creeper, but vastly superior to it, the foliage being cleaner and of greater substance. Leaves color beautifully in the fall. Has a tendency to cling to brick or stucco. 2 yr., **40c.**

Porcelain Ampelopsis or Tourquoise Vine (Ampelopsis Heterophylla). A refined climbing plant that is attractive all summer because of its ornamental, various shaped leaves, prettily incised, but is charming in autumn when its crop of berries turn a bright turquoise blue. 2 yr., **50c**; doz., **$5.00.**

Virginia Creeper or Woodbine (Ampelopsis Quinquefolia). Luxuriant in growth, with handsome foliage turning to bright crimson in the fall. Very hardy vine for covering old tree trunks, walls, fences, etc. 2 yr., **40c**, 3 yr., **50c.**

KUDZU or Jack-and-the-Bean-Stalk Vine

The most remarkable climber extant. In rich soil will grow 70 feet in one season. Starts into growth slowly, but after three or four weeks grows almost beyond belief. Leaves in shape like Lima Bean; dark green; texture soft and woolly. Fine for porches, arbors, old trees, etc. Strong roots. **40c.**

TRUMPET CREEPER

Bignonia Radicans. A robust, tall climber with great leathery trumpet-shaped flowers of brilliant orange-scarlet which last a long time in the summer. A very rapid and hardy grower. Useful for covering unsightly places, stumps, or wherever a showy flowering vine is desired. 2 yr., **50c.**

VARIOUS SPECIES OF CLEMATIS

Duchess of Albany (New). Vigorous sprays of gorgeous pink trumpet-shaped flowers about 3½ to 4 inches long. Blooms from July to September. Very unusual flowers; will last two weeks when cut. 2 yr., **$1.50.**

Pink Anemone Clematis (Clematis Montana Rubens). The rosy-pink, Anemone-like flowers of this species are very attractive and are produced in greatest profusion over a long period. An excellent early spring flowering climber. 2 yr., **75c.**

Scarlet Clematis (Texensis). Bell-shaped flowers, bright coral-red, from June until frost. **50c.**

Sweet Autumn Clematis (Clematis Paniculata). The flowers are pure white, deliciously fragrant and produced with the greatest freedom in September when few other vines are in bloom. The most popular of all the small-flowered vines. 2 yr., **50c.**

LARGE-FLOWERING CLEMATIS

The Large-Flowered Clematis are the most beautiful of all our flowering vines. All, except for the varieties Belle of Woking and Duchess of Edinburgh, should be pruned early in spring as they produce their finest blossoms from wood made during the current year. They require rich, deep soil, perfect drainage, abundance of water and should be planted with the crowns three inches beneath the surface of the soil.

Duchess of Edinburgh. Pure white, very double flowers that are not unlike a gardenia.

Henryi. Pure white flowers, usually eight-petaled, and often 6 to 8 inches in diameter.

Jackmani. This variety, with its strong, healthy growth, hardy nature and rich, deep velvety purple flowers, is the most satisfactory of its class. Blooms with astonishing profusion.

Mme. Baron Veillard. Large flowers, 4 inches in diameter, of a warm shade of rosy-lavender.

Mme. Edward Andre. Very beautiful bright velvety red, free-flowering and continuous bloomer.

Ramona. An extra good variety that gives plenty of bloom of a distinct shade of light lavender blue.

Prices of the above 6 varieties: 1-year, 2½ inch pots, each, **50c**; 2-year, each, **75c**; 3-year, each, **$1.00.**

Gold Medal Collection. One each Jackmani, Henryi and Mad. Ewadrd Andre, 1-year for **$1.25**; 2-year for **$2.00**; 3-year for **$2.75.**

FIVE FINE NEW VARIETIES

Belle of Woking. Handsome double flowers of silvery gray. Profuse bloomer in July and again just before frost. 2 yr., **$1.50.**

Comtesse de Bouchaud. Beautiful flowers with gracefully curved petals of satiny rose. Blooms from July to Sept. Very distinct. 2 yr., **$1.50.**

Kermesina. Produces a mass of beautiful, true wine-red flowers, with a velvety cast, from July until frost. A good grower and a good bloomer. 2 yr., **$1.50.**

Lawsoniana. Makes a glorious picture with its large petals of violet-blue surrounding violet stamens. Flowers are 5 to 6 inches across, very full. Blooms from late June until frost. 2 yr., **$1.50.**

Lord Neville. Exquisite in color, with petals rich in texture, like plum-colored velvet. Has a long blooming season. 2 yr., **$2.00.**

Special Offer: One each of Belle of Woking, Kermesina and Lawsoniana, 2-year, for **$3.75.**

CLEMATIS Belle of Woking.

SILVER LACE VINE

Polygonum Auberti. Of strong, vigorous growth, attaining a height of 25 feet or more, producing through the summer and fall great foamy sprays of white flowers that turn rose-colored as they begin to fade, and the combination of white and rose makes an exceedingly pretty picture. 2 yr., **75c.**

HARDY ENGLISH IVY

Hedera Helix Gracilis. A graceful evergreen vine that has dark green foliage and is identical in habit with the well-known English Ivy, except that it is hardy and has smaller leaves. Succeeds well in shady places and makes an excellent ground cover. Each, **65c**; 2½ in. pots, each, **35c**; **$3.50** per doz.

HONEYSUCKLE (Lonicera)

Excellent vines for covering arbors, fences, pergolas, verandas, etc., and for ground planting under trees. If used on terraces or embankments will prevent washing. All are perfectly hardy and improve in beauty each year.

Everblooming Honeysuckle (Lonicera Heckrotti). Remarkable for large size and distinct appearance of its flowers, crimson-carmine without and golden apricot inside. They are very beautiful and fragrant and are in bloom from the middle of June until the coming of frost. 2 yr., **75c**; doz., **$7.50.**

Golden Giant Honeysuckle (Lonicera Tellmanniana). Long, giant, tubular flowers of an intensely rich golden yellow tipped with bronzy red. Blooms profusely in June. 2 yr., **$1.00.**

Hall's Japanese Honeysuckle (Lonicera Japonica Halleana). This is one of the finest of all vines that one can plant. It is attractive and thrives in practically all situations. Splendid on trellises, arches, or for covering fences, poles or old dead or ugly tree trunks. It is a strong, vigorous, almost evergreen sort, with pure white flowers, changing to yellow. Very fragrant, and covered with flowers from July to October; holds its leaves till January. 2 yr., **50c**; 3 yr., **60c.**

Trumpet Honeysuckle (Lonicera Sempervirens). Fuchsia-like scarlet flowers, very free and beautiful. 2 yr., **50c**; 3 yr., **60c.**

WISTERIA

Very strong growing vines that climb high and twine tightly. To get the best bloom, do not over-water or over-fertilize, but prune regularly, cutting back all superfluous growth in August and again in September.

American Purple Wisteria (Wisteria Magnifica). Purple-lilac, pea-shaped flowers, borne in very dense, long pendulous racemes in late May. 2 yr., extra strong, **50c**; 3 yr., **60c**; 4 yr., **75c.**

Chinese Wisteria (Wisteria Sinensis). Blooms very profusely early in summer; flowers violet-blue, in long pendulous clusters. The plants we have are grafts propagated from blooming wood. 2 yr., grafted, **75c.**

Multijuga Naga Noda. This variety has astonishingly long clusters of light purple flowers. On well-established vines they will run 3 to 4 ft. in length. Stock very scarce. 1-yr., grafted, **$1.50.**

Pink Japanese Wisteria (Wisteria Multijuga Rosea). The queen of the Wisterias. Vigorous growing, with extremely long, full clusters of beautiful pink flowers. 1 yr. grafted, **$1.50.**

Tree Form Wisteria. See page 102.

White Chinese Wisteria (Wisteria Sinensis Alba). Same as the Chinese Wisteria except that the flowers are pure white. 2 yr., grafted, **75c.**

New Flowering Trees *and* Hedge Plants

All Prices Are F. O. B. Our Nurseries, Western Springs, Ill.

Except where noted, 10 of one variety supplied at 10c each less than each rate; 5 of one variety supplied at the 10 rate.

The figures in italics following each variety indicate in feet the average height of the plant at maturity. B & B indicates "Balled and Burlapped".

ALMOND (Prunus)

Flowering Almond (Prunus Glandulosa). *4 to 6 ft.* These well known, bushy shrubs are favorites in the old gardens. They never fail to produce in early spring, before the leaves appear, a profusion of small very double white or pink, rose-like flowers that are closely set along the branches.

Pink Flowering Almond (Prunus Glandulosa Sinensis). Own root plants. 2 to 3 ft., 75c; 3 to 4 ft., $1.00.

AZALEA

Chinese Azalea (A. Mollis). *3 to 4 ft.* One of the most glorious of the Azaleas, with flowers of yellow, orange, lemon, salmon and terra cotta borne before the leaves appear. It is of dwarf, compact growth with bright green foliage turning to bronze and red in fall. We can supply mixed colors only. The plants we offer are full of flowering buds that will bloom this spring. 9 to 12 in. B. & B., $1.25; 10, $10.00; 12 to 15 in., B. & B., $1.50; 10, $12.50; 15 to 18 in., B. & B., $2.50 each, 18 to 24 in., B. & B. $3.00 each.

Torch Azalea (A. Kaempferi). *5 ft.* A very handsome tall-growing variety that is one of the most popular sorts. It is of vigorous, bushy growth, and produces beautiful fiery red-orange flowers. 15 to 18 in., B. & B., $2.00; 18 to 24 in., B. & B., $3.00.

Pink-shell Azalea (A. Vaseyi). *4 to 6 ft.* A shrub of rare beauty with delicate pure pink, starry blossoms before the leaves. It is perfectly hardy and is very colorful in fall with rich red and crimson foliage. 15 to 18 in., B. & B., $2.50.

BARBERRY (Berberis)

Mentor Barberry (Berberis Mentorensis). (Patent No. 99). *3 ft.* It is extremely hardy and is able to withstand intense heat and drought without wilting or burning. Its foliage is heavy and thick and of green as dark as the Japanese Yew. With us here the leaves remain green until after the holidays, but are dropped in late winter. An ideal shrub for low hedges or foundation plantings. 15 to 18 in., each, 60c; per 3, $1.50; per 10, $3.75; per 100, $30.00; 18 to 24 in., each, 75c; per 3, $2.00; per 12, $6.00; per 100, $40.00.

Red-Leaved Japanese Barberry (Berberis Thunbergi Atro-Purpurea). *4 ft.* Similar in all respects to the green-leaved Japanese Barberry, but the foliage is a rich, bronzy red, similar to the red-leaved Japanese Maples. Plant in full sun to develop its coloring. 15 to 18 in., each, 50c; per 10, $4.50; per 100, $40.00; 18 to 24 in., each, 75c; per 10, $6.50.

Truehedge Columnberry (Berberis T. Pluriflora Erecta). (Patent No. 110.) *4-5 ft.* Often mistaken for Boxwood on account of its extremely formal shape and its dense, glossy foliage, which is decidedly more dense, more upright and more richly foliaged than the common Thunbergi. Of distinct pyramidal habit, it may be used for formal hedge or individual specimens without pruning. 15 to 18 in., each, 45c; per 10, $3.50; per 25, $7.50; per 100, $28.00; 18 to 24 in., each, 60c; per 10, $4.50; per 25, $9.75; per 100, $36.00; 24 to 30 in., each, 70c; per 10, $5.50; per 25, $12.25; per 100, $45.00.

BUSH CHERRY

Prunus Besseyi. *4 to 5 ft.* An easy to grow, new, hardy, quick-bearing cherry. It is valuable for its fruit, which resembles a plum in size and shape, and which comes massed in clusters from the ground up. They are good to eat fresh and make delicious preserves. The plants have striking ornamental value, are of a dwarf, bushy nature, and suitable for foundation plantings or for low fruiting hedges. Large, fragrant white flowers in spring and beautiful silvery green foliage which turns to a rich red and gold color in fall. 2 yr., 50c; per 3, $1.25; per 10, $3.50.

BEAUTY BUSH (Kolkwitzia Amabilis)

Its trumpet-shaped pink flowers are freely produced. Grows from *6 to 8 ft.* tall and fully that wide. Absolutely hardy and makes a wonderful showing in June. 2 to 3 ft., each, 50c; 3 to 4 ft., each, 60c; 4 to 5 ft., each, 80c; 5 to 6 ft., $1.25.

TRUEHEDGE COLUMNBERRY

(See Barberry)

BURNING BUSH (Euonymus)

Winged Burning Bush (Euonymus Alatus). *6 to 8 ft.* Bark cork-like and curiously winged; leaves small; fruit red; in autumn, foliage bright red. One of our best shrubs for specimen plantings and for growing in shady locations. 3 to 4 ft., 90c.

Dwarf Burning Bush (Euonymus Alatus Compacta). *4 to 6 ft.* A compact shrub that is especially attractive in the fall when the foliage turns crimson, and the whole bush resembles a ball of fire. Fine for formal effects as it may be kept trimmed to the size and height desired. 18 to 24 in., 75c; 3 to 3½ ft., $1.50; 3½ to 4 ft., $1.75.

European Burning Bush or Spindletree (Euonymus Europaeus). *12 to 14 ft.* A tall, erect shrub, very handsome and conspicuous in autumn and winter when it is loaded with rose-colored capsules, from which orange-colored berries hang on slender threads. Rarely seen in gardens but one of our finest berried shrubs. 2 to 3 ft., 50c; 3 to 4 ft., each, 65c.

BUTTERFLYBUSH (Buddleia)

Fortunei. (Patent No. 206.) *4 ft.* Unequaled as a cut-flower. Its panicles average 12 to 18 in. in length, are pure lilac in color, with small orange eye and are produced in abundance throughout the summer and autumn. Field grown plants, $1.00; 10, $8.50.

Ile de France (New). *3 to 4 ft.* A French variety, much superior in its brilliant rosy violet-purple color. 2 yr., each, 60c; per 3, $1.50.

Hardy Butterflybush (Buddleia Alternifolia). *4 to 6 ft.* Does not freeze to the ground in winter. Flowers lavender-purple with a reddish crimson eye in early summer. Forms a beautiful fine-leaved compact shrub with branches of a semi-weeping habit. 2 yr., each, 60c.

COTONEASTER

Rock Cotoneaster (Horizontalis). *1 to 1½ ft.* "Most popular of the red-fruited varieties," said the late E. H. Wilson of the Arnold Arboretum. A dwarf shrub with densely spreading horizontal branches almost prostrate. Much appreciated in rockeries and the front of borders. 12 to 15 in., B. & B., each, $1.25; per 10, $10.00; 15 to 18 in., B. & B., $1.50; per 10, $12.50; 18 to 24 in., B. & B., $2.00.

Spreading Cotoneaster (Divaricata). *5 to 6 ft.* Especially prized for its dark scarlet fruits which last until late in the autumn. It forms a wide-branched, densely twiggy bush from 5 to 6 ft. tall and much more in diameter. The leaves turn a brilliant crimson before they fall. An excellent hedge plant. 2 to 3 ft., each, 60c; per 10, $5.00; per 100, $40.00; 2 to 3 ft., B. & B., each, 90c; per 10, $8.00; 3 to 4 ft., each, 75c; per 10, $6.00; per 100, $50.00; 3 to 4 ft., B. & B. each, $1.00; per 10, $9.00.

We Carry a Complete Line of Shrubs, Trees, Evergreens, Fruits, Etc. Ask for Price List.

MENTOR BARBERRY.

CHERRY, JAPANESE FLOWERING

Thousands visit the large collection at Washington, D. C., annually. They will thrive in a fertile and well-drained soil and should be kept mulched for a few years. It is advisable to pinch back the new growth in July, as this will have a tendency to force flower buds for the next season.

Amanogawa (Milky Way). Of upright growth similar to that of the Lombardy Poplar. Valuable for formal plantings and for use in small gardens. Flowers semi-double, pale pink and fragrant.

Fujizan (Mt. Fuji). Late flowering, with abundance of large double or semi-double, snow-white, fragrant flowers, about 1½ inches wide.

Kwanzan (Sekizan). *20 to 25 ft.* Often called the handsomest of all the double-flowering cherries. Its flowers are very full and double, often two inches wide, and are a deep pink or old rose.

October Cherry (Prunus Subhirtella Autumnalis). Single pink passing to white blossoms in spring, and usually a fall crop. 4 to 5 ft., $3.00.

Sieboldi (Naden). *20 ft.* Popular late variety with very large flowers of deep blush-pink.

Double Flowering Weeping—Serrulata Type. (Umbrella-shaped.) Its double pink flowers are large and similar in size and color to those of the variety Kwanzan. 5 to 6 ft. stem, 2 yr. head, $4.00.

Price of above, except where noted, 4 to 5 ft., $2.25; per 10, $20.00; 5 to 6 ft., $2.75.

CRAB, FLOWERING (Malus)

Bechtel's Double-Flowering Crab (Malus Ioensis Bechteli). *10 to 15 ft.* Trees of medium size are covered in early spring with large, beautiful, double fragrant flowers resembling small roses of a delicate pink. 3 to 4 ft., $1.25; 4 to 5 ft., $1.60; 5 to 6 ft., $2.25.

Carmine Crab (Malus Atrosanguinea). *10 to 15 ft.* Similar to the Japanese, with carmine flowers which do not fade. 4 to 5 ft.; 5 to 6 ft.

Eleyi Crab (Malus Eleyi) (New). *10 to 15 ft.* A valuable new variety with red foliage, holding its brilliant color until fall. Produces clusters of wine red flowers and fruits of a red and apricot color about the size of cherries. 4 to 5 ft., $2.50; 5 to 6 ft., $3.00.

Japanese Flowering Crab (Malus Floribunda). *10 to 15 ft.* Best when grown naturally, when it is a broad, tall, round-topped bush, rather than a tree, with wide-spreading branches. The flowers as they open are red, changing to rose and white. The small, yellowish fruit often remains on the trees all winter. 4 to 5 ft., 5 to 6 ft.

Price of above, except where noted, 4 to 5 ft., $1.50; per 10, $12.50; 5 to 6 ft., $2.00; per 10, $17.50. Sizes which we have to offer noted after each variety. **Write for prices on larger sizes and for complete list of varieties.**

CORNUS

Red Flowering Dogwood (Cornus Florida Rubra). *15 ft.* A small, upright growing tree that produces large, deep rose-colored flowers in early spring. Very showy. Foliage grayish green, turning to brilliant crimson in autumn. For best results, mulch after the ground is frozen in the fall and do not remove it until in late spring. 2 to 3 ft., B & B., $2.50; 3 to 4 ft., B. & B., $3.75; 4 to 5 ft., B & B., $4.75.

and Shrubs for Home Landscape

WHITE FRINGETREE

CHINESE ELM HEDGING

Ulmus Pumila (Chinese Elm Hedging). Chinese Elm is destined to become one of our leading hedge and windbreak plants. It forms a beautiful, dense, impenetrable hedge with small, dark green foliage that it holds until late in the autumn. It can be kept low-growing and clipped, or can be used where immediate screening effects are desired. For hedge purposes, plant seedlings 12 to 18 inches apart. 18 to 24 in. seedlings, not transplanted, 10, $1.00; 50, $4.50; 100, $8.00. 2 to 3 ft. seedlings, not transplanted, 10, $1.50; 50, $6.00; 100, $10.00. 5 to 6 ft., transplanted, $1.25; 10, $10.00.

Write for prices on Chinese, American, Moline and Vase Elms in larger sizes.

DAPHNE

February Daphne (Daphne Mezereum). *3 to 4 ft.* A very rare, hardy shrub with erect branches that are thickly studded with deep red flowers in early spring, long before its leaves appear; delightful, intense Oriental fragrance. Will succeed in partial shade. 15 to 18 in., B. & B., $1.75; 18 to 24 in., B. & B., $2.00.

Rose Daphne (Daphne Cneorum). *1 ft.* A gem for the rock garden or for edging borders. A dwarf evergreen shrub of trailing habit with leaves of dark glossy green, glaucous beneath. Small, tubular, rose-pink flowers of spicy fragrance are borne in clusters in May and again in late September. Does best in sun in a well-drained, rather sandy soil. In cold climates the plants should be protected during winter. 8 to 9 in., B. & B., each, 90c; 9 to 12 in., B. & B., each, $1.25.

HAWTHORN (Crataegus)

Paul's Double Scarlet Hawthorn (Crataegus Oxyacantha Splendens). *12 to 15 ft.* The most beautiful and showy of the double-flowering thorns, with lovely blossoms of bright scarlet color, large, full and very double. It forms a small tree or large shrub, and makes a fine specimen for the lawn. 3 to 4 ft., tree form, $1.75; per 10, $15.00. 4 to 5 ft., tree form, $2.50; per 10, $22.50; 6 to 7 ft., $4.00.

HYDRANGEA Oak Leaved

Oak-leaved Hydrangea (Hydrangea Quercifolia). *3 to 5 ft.* The leaves are a dark green in summer, turning to richest red in autumn. They will stand some shade and smoky city conditions and are well adapted to foundation or low border plantings. Flowers are pinkish white, borne in upright clusters in June. 18 to 24 in., 80c.

ESPALIER OR TRAINED FRUIT TREES

Ask for our circular illustrating with prices these highly ornamental and productive trees, which are especially suited to the small garden and for special purposes.

FRINGETREE

White Fringetree (Chionanthus Virginica). 9 to 15 ft. Spreading shrub or small tree of neat elegant habit. At about the time the Iris are at their best, a thick white mist of pendant fringe-like flowers, mixing with large leathery leaves, present a unique sight. The attractive glossy leaves increase its value as a lawn specimen. 3 to 4 ft., $1.00; 5 to 6 ft., $1.50; 6 to 8 ft., $2.00.

GOLDEN BELL (Forsythia)

Korean Golden Bell (F. Ovata). *5 to 8 ft.* Handsome new species that is extremely hardy and does not fail to bloom, even after the coldest winters. The flowers are pale primrose-yellow and are produced very early, 10 days before the other sorts. 2 to 3 ft., $1.00; per 10, $8.50.

Showy Border Golden Bell (Forsythia Intermedia Spectabilis). *6 to 8 ft.* Considered the best of the Forsythias on account of its larger and richer yellow blossoms, which completely cover the wide spreading branches in early spring. 2 to 3 ft., 50c; 3 to 4 ft., 60c.

FIRETHORN (Pyracantha)

Laland Firethorn (Pyracantha Coccinea Lalandi). *5 to 6 ft.* An almost evergreen shrub allied to both the Thorn and Cotoneasters. Dwarf with slender branches with numerous short thorns. Flowers white, in large clusters, followed in fall by brilliant orange-red berries. Prefers a sunny location in almost any soil. 18 to 24 in., B. & B., $2.25; per 10, $20.00; 24 to 30 in., B. & B., $2.75; per 10, $25.00.

FIRETHORN (Pyracantha)

HOLLY (Ilex)

Opaca Femina (American Holly). 20 ft. This beautiful, hardy tree is universally loved and its foliage, with its bright red berries, is much used for holiday decorations. Should be planted in full sun and in an acid soil. The plants we offer have been grafted from berry producing plants. 15 to 18 in., B. & B., $2.50.

HONEYSUCKLE (Lonicera)

Lonicera Korolkowi Floribunda. *10 ft.* Twiggy growth, arching in habit and with a mass of gray-green foliage. The masses of delicate pink flowers are carried high on the plants, producing a misty effect. Conspicuous dark red fruits. 3 to 4 ft., 80c; 4 to 5 ft., 90c; 5 to 6 ft., $1.00.

HEATHERMINT (Elsholtzia Stauntoni)

3 to 4 ft. An excellent autumn flowering shrub producing attractive spikes of reddish purple flowers, resembling heather; September and October. The leaves of the plant, when bruised, emit a mint fragrance. Plant in a sunny location. 18 to 24 in., 80c.

Outstanding Lilac Novelties

Leon Gambetta. Double; enormous trusses of very large, lilac-rose flowers. Very strong grower; early flowering. Considered by some to be the most beautiful of all Lilacs. 2 to 3 ft., $1.50; 3 to 4 ft., $1.75.

Marechal Lannes. Extra large trusses of double or semi-double flowers of beautiful bluish violet. Individual florets are of amazing size, the largest of any variety in our collection. A very showy lilac and one of our favorites. Fragrant. 2 to 3 ft., $1.50; 3 to 4 ft., $1.75.

Miss Ellen Willmott. One of the finest double white lilacs in existence. It has immense panicles, a foot long, and large individual flowers an inch in diameter. Late. 2 to 3 ft., $1.50.

President Poincare. Enormous, compact trusses of very large, full double flowers. Huge, dark red buds that open into lavender-blue flowers, presenting an unusually beautiful combination of colors. Very fragrant. 2 to 3 ft., $1.50; 3 to 4 ft., $1.75.

SPECIAL OFFER. One each of the above four Lilacs, 2 to 3 ft., for $5.00.

KOREAN GOLDEN BELL

NEW HYBRID LILACS (Syringa)

Claude Bernard. A rapid growing variety with long trusses of double or semi-double bright mauve-lilac flowers; very early. 3 to 4 ft., 4 to 5 ft., 5 to 6 ft.

Charles Joly. Double flowers of dark wine-red with silvery reverse. 3 to 4 ft., 4 to 5 ft.

Jan Van Tol. Single, pure white, very large trusses and extremely large individual flowers; it is a very good grower and flowers very freely. 2 to 3 ft., each, $1.50; 3 to 4 ft., $1.75.

Montaigne. Double. Very large clusters of mauve-pink flowers. It is the last of the Hybrid Lilacs to bloom and it is noted for the remarkable abundance of its flowers. A very choice variety that is easy to grow. 3 to 4 ft., 4 to 5 ft., 5 to 6 ft.

Prices of above, except where noted, 3 to 4 ft., each, $1.50; 4 to 5 ft., each, $2.00; 5 to 6 ft., each, $2.50.
Sizes which we have to offer noted after each variety.

Special Offer: One each of Claude Bernard, Charles Joly, and Montaigne, 3 to 4 ft. for $3.50; 4 to 5 ft. for $4.75.

HYBRID LILACS (Syringa)

Belle de Nancy, double rose-pink; **Chas. X,** single reddish lilac; **Ludwig Spaeth,** single dark reddish-purple; **Mme. Lemoine,** double white; **Marie Legraye,** single white; **Michael Buchner,** double lilac; **Pres. Grevy,** double blue. Price of above, 3 to 4 ft., $1.25; 4 to 5 ft., $1.50.

LILY OF THE VALLEY SHRUB

Pieris Floribunda. *3 to 5 ft.* An unusually charming shrub because of its fine evergreen foliage and its flowers. Of low, very compact growth; small rich dark green foliage and upright panicles of waxy white flowers, which closely resemble the lily-of-the-valley blossoms, in May. Incomparable for evergreen plantings. They require an acid soil. 15 to 18 in., B. & B., $3.00.

LINDEN, PYRAMIDAL

Linden, Pyramidal. 60 to 80 ft. A new Linden of true pyramidal form. It does not attain the extremely narrow effect of the Lombardy Poplar, but will fill its place in many landscapes where a narrow tree of long life is needed. 5 to 6 ft., $2.50; 10, $22.50; 6 to 8 ft., $3.25; 10, $30.00.

MAIDENHAIR TREE

Ginkgo Biloba. *50-60 ft.* A highly ornamental tree of slender upright habit. The leaves are fan-shaped, resembling the maidenhair fern, and are a deep green, turning to rich golden yellow in fall. Native of China, and although now quite rare, it is the oldest species in cultivation. It is immune to the attacks of insects and diseases and will thrive in the unnatural conditions of our cities. 5 to 6 ft., $2.50; 6 to 8 ft., $3.50.

We have a large collection of Lilacs and Mock Oranges. Write for our Nursery Catalog giving complete list.

STAR MAGNOLIA (M. Stellata)

MAGNOLIA

Sweetbay (M. Glauca). 10 to 15 ft. Broad, glossy green, almost evergreen, foliage, distinctly whitish beneath. Waxy-white, fragrant flowers, 3 in. across, in June. Likes a moist location. 3 to 4 ft., B. & B., $3.75; 4 to 5 ft., B. & B., $4.50.

Saucer Magnolia (M. Soulangeana). *20 ft.* A vigorous grower and one of the hardiest of the genus. Flowers come before the long glossy leaves, and are 3 to 5 inches across, cup-shaped, delightfully fragrant, rosy pink when in bud, pure white when open. A full-sized tree is a gigantic bouquet of thousands of showy flowers, not surpassed by any other tree in effectiveness. 2 to 3 ft., B. & B., $4.00; 3 to 4 ft., B. & B., $6.00; 4 to 5 ft., B. & B., $9.00; 5 to 6 ft., B. & B., $12.00.

Star Magnolia (M. Stellata). *12 ft.* The first Magnolia to blossom. No plant flowers more freely, and in early spring its semi-double, snow-white flowers of starry form appear in countless numbers and attract attention on all sides. 2 to 2½ ft., B. & B., each, $5.00; 2½ to 3 ft., B. & B., each, $7.50.

MAPLE (Acer)

Red-Leaved Japanese Maple (A. Palmatum Atropurpureum). *6 to 8 ft.* Very striking as a specimen tree or small shrub on the lawn. The foliage is red in spring, later changing to an attractive dark bronzy green. The plants we offer are of the true red variety. 2 to 2½ ft., B. & B., $3.50; 2½ to 3 ft., B. & B., $4.00; 3 to 3½ ft., B. & B., $4.50; 3½ to 4 ft., B. & B., $5.50.

MOCK ORANGE (Philadelphus)

Norma. *7 to 8 ft.* Unusually large, glossy white, single flowers in good sized sprays. An upright grower with light green leaves. 2 to 3 ft., 60c; per 10, $5.00; 3 to 4 ft., 75c; per 10, $6.00.

Pyramidalis. *8 to 10 ft.* Waxy white clusters of large, double flowers. Of tall, compact pyramidal growth with large dark green leaves. 2 to 3 ft., 60c; 3 to 4 ft., 75c.

Virginalis. *7 to 8 ft.* One of the most beautiful shrubs grown. In June the plants appear as a huge bouquet, being completely covered with very large, double crested flowers that are pure white and sweet-scented. It has a long blooming season, the new wood producing large individual single or semi-double flowers throughout the summer. 2 to 3 ft., 50c; 10, $4.00; 3 to 4 ft., 60c; 10, $5.00; 4 to 5 ft., 75c.

MOUNTAIN LAUREL

Kalmia Latifolia. *5 to 6 ft.* Large showy clusters of cup-shaped pink or whitish-pink flowers in June. Glossy green, evergreen foliage that is beautiful the entire year. Should be planted in an acid soil in a shady situation sheltered from strong winds. 18 to 24 in., B. & B., $2.75.

OREGON HOLLYGRAPE

Mahonia Aquifolia. *2 to 4 ft.* An almost evergreen shrub with dark lustrous green, spiny toothed leaves that look like holly. Flowers yellow, in dense clusters appearing in spring. Berries blue or nearly black. Splendid for planting in semi-shade. 12 to 15 in., B. & B., 90c; 10, $7.50; 15 to 18 in., B. & B., $1.25; 10, $10.00; 18 to 24 in., B. & B., $1.50; 10, $12.50.

GOLDEN ROSE OF CHINA

Golden Rose of China (Rosa Hugonis). *6 ft.* This is one of the earliest roses to bloom and it makes a very spectacular show when the long arching branches are thickly set with lovely single yellow flowers in May. It never winter-kills. 2 year, 70c; 3 yr., 90c.

NEW HYBRID RUGOSA ROSES

Agnes. *5 to 6 ft.* The flowers are a rich amber yellow, double, sweetly scented and come early in June. It is a vigorous grower with grey-green, crinkled foliage. 2-year, 75c.

F. J. Grootendorst. *5 to 6 ft.* A cross between the Rugosa and the Crimson Baby Rambler. The flowers are bright red, beautifully fringed, and produced in clusters. It blooms from early summer until frost. 2 year, 75c.

Rugosa Dr. Eckener. *5 to 6 ft.* Large, fragrant, cup-shaped flowers of luminous buff-pink with golden suffusion. Very hardy and blooms intermittently from July to September. 2 yr., 75c.

RHODODENDRON

Hardy free-flowering, broad-leaved evergreens that are attractive throughout the whole year. Easily grown if planted in partially shaded situations sheltered from strong winds. Full planting directions included in every shipment.

Carolina Rhododendron (R. Carolinianum.) *3 to 5 ft.* Unusually low and compact. The flower clusters are two to four inches across and vary in color from light blush-pink to deep rose-pink. A profuse bloomer and a very fine variety. 18 to 24 in., B. & B., $4.00.

Catawba Rhododendron (R. Catawbiense). *4 to 6 ft.* A beautiful free flowering variety that forms a well-shaped, compact clump. Very showy, large trusses of rosy-purple flowers in May. 2 to 2½ ft., B. & B., $4.50.

Rosebay Rhododendron (R. Maximum). *10 to 15 ft.* Tall growing variety with large luxuriant, deep green leaves. The flowers vary in color from creamy-white to apple-blossom pink and are borne in large trusses in late June and early July. 2 to 2½ ft., B. & B., $4.00.

Hybrid Rhododendron Seedlings. These mixed seedlings, varying in color from white to deep crimson, are easily the finest of the broad-leaved evergreens, ideal for all landscape and garden purposes. Their bold evergreen foliage, crowned with clusters of handsome flowers in May and early June, make them a valuable addition to evergreen groups which are now becoming so popular for home plantings. Mixed colors only. 12 to 15 in., B. & B., with flowering buds, $1.75; 2 for $3.00; 15 to 18 in., B. & B., with flowering buds, $2.50; 18 to 24 in., B. & B., with flowering buds, $3.50.

ROSE ACACIA

Rose Acacia or Moss Locust (Robinia Hispida). *3 to 4 ft.* An extremely beautiful shrub or small tree which in June produces a mass of large, brilliantly colored, rose-pink flowers which look like a bouquet of sweet peas. Soft green Locust foliage. Easily grown, it will thrive in almost any section. 3 to 4 ft., 90c.

Kelsey's Rose-flowered Locust (Robinia Kelseyi). *4 to 6 ft.* An improved form of the above which is better in form of growth and has larger, showier flowers. 3 to 4 ft., $1.25.

SMOKETREE or Purple Fringe

Rhus Cotinus. *10 to 12 ft.* A tall shrub bearing huge, plumy masses of misty smoke-colored flowers in July. They last for a month or more and are highly ornamental. 3 to 4 ft., $1.00; 4 to 5 ft., $1.25.

SNOWBALL

Fragrant Snowball (Viburnum Carlesi). *4 ft.* This dwarf, compact shrub, bearing large corymbs of delicate pale rose blossoms, tinted white, has a delicious, clove-scented fragrance. Hardy, but best planted in a somewhat sheltered position. For the first time we are able to offer these plants on their own roots. They bloom much better and are longer lived than the grafted plants. 2 to 2½ ft., B. & B., own roots, $2.50; 18 to 24 in. grafted, $1.50; 10, $12.50; 18 to 24 in. grafted, B. & B., $1.75; 10, $15.00.

Viburnum Fragrans. *8 to 9 ft.* A very rare and interesting new shrub that blooms in April. At that time its leafless branches are clothed with profuse trusses of white flowers that are deliciously fragrant. 2 to 3 ft., B. & B., each, $3.00; 3 to 4 ft., B. & B., $5.00.

SPRINGSCENT Fothergilla

6 ft. Short dense spikes of creamy-white flowers that give a bottlebrush appearance. They appear just as the leaves unfold and immediately attract attention. Upright shrubs of dense pyramidal habit with dark green foliage that colors brilliantly in the fall. 18-24 in., $2.75.

HYBRID RHODODENDRON SEEDLING

WISTERIA TREE FORM

Purple Chinese Wisteria, Tree Form or Standard. Bushy compact heads on single straight stems. Grafted from flowering wood, they have already bloomed in the nursery row. Flowers identical with the Chinese Wisteria described on our vine page. Very effective as specimen plants. 3 to 4 ft. stems, B. & B., $7.50.

WITCH-HAZEL—Winter-Blooming

Hamamelis Vernalis. *5 to 6 ft.* Blossoms as early as January and will continue to bloom for a long time, opening during the mild weather and closing when the temperature drops. The flowers come in profusion, have a spicy fragrance, and vary from bright yellow to shades of old gold, reddish brown and maroon. It gives the best results when planted in a sheltered place well open to the winter sun. 2 to 3 ft., $1.00; 3 to 4 ft., $1.50; 4 to 5 ft., $2.00.

WINTERCREEPER (Euonymus)

Bigleaf Wintercreeper (Euonymus Radicans Vegetus). This hardy evergreen trailer has round leaves and is sometimes called "Evergreen Bittersweet" on account of its gorgeous red berries, which are resplendent all winter against a rich deep evergreen foliage. Makes a useful ground cover and is very effective when planted with evergreens. 12 to 15 in., 90c; 10, $7.50; 15 to 18 in., B. & B., $1.25; 18 to 24 in., B. & B., $1.75.

VITEX NEGUNDO INCISA

Cutleaf Lilac Chaste Tree. *3 to 4 ft.* An attractive and unusual shrub with handsome dark green, fernlike foliage and attractive bright lavender blue flowers produced from July until frost. 2 to 3 ft., 80c.

SPRINGSCENT FOTHERGILLA

Vaughan's High Grade Fertilizers

THERE are three chemical elements of plant food commonly used in fertilizers. They are nitrogen, phosphates and potash. A balanced fertilizer is one which contains all three, and gives a complete diet to the crop. And the composition of a balanced fertilizer is commonly expressed in a formula of three numbers with hyphens between, thus, 5-8-7. The first indicates the proportion of nitrogen; the second, the proportion of phosphates; the third, the proportion of potash.

Fertilizer prices include delivery within 25 miles of Chicago on 25, 50, 100, 125, and 250 lb. lots. Smaller quantities delivered with orders of seeds, bulbs and supplies of $2.00 or more. On larger quantities than 250 pounds, owing to close quantity prices, the customer pays all freight or express charges.

Vaughan's Lawn and Garden Fertilizer (4-8-6)

Four per cent nitrogen; eight per cent phosphoric acid; six per cent potash.—This mixture differs from our balanced plant ration, in that it is composed of plant foods in mineral form. The advantages of mineral fertilizer include the absence of objectionable odor, and the quality of being more readily soluble, which makes it more quickly effective upon plant growth. This is an excellent mixture for regular use in the garden plot in small quantities to insure vigorous growth.

For a new lawn, broadcast evenly 30 to 40 lbs. per 1,000 square feet. To stimulate an old lawn, apply 20 to 30 lbs. per 1,000 square feet, and during the growing season, wash it down immediately with the hose to prevent burning. For flowers and vegetables, use from 4 to 6 lbs. per 100 square feet.

Price, 5 lbs., 45c; 10 lbs., 85c; 25 lbs., $1.25; 50 lbs., $2.00; 100 lbs., $3.25; 500 lbs., $13.75; 1000 lbs., $26.00; 2000 lbs., $49.00.

VAUGHAN'S BALANCED PLANT RATION (5-8-7)

Five per cent nitrogen; eight per cent phosphoric acid; seven per cent potash.—This is a balanced fertilizer, chiefly composed of organic matter (bone, blood and potash), which has been used for 50 years with excellent results by florists, truck gardeners and amateurs, and which we recommend as balanced fertilizer for all around use in the home garden.

For lawns, use 20 to 40 lbs. per 1,000 square feet; and for cultivated gardens, 4 to 6 lbs. per 100 square feet. As liquid manure, use 1 part to 30 parts of water.

Price, 5 lbs., 45c; 10 lbs., 85c; 25 lbs., $1.50; 50 lbs., $2.50; 100 lbs., $3.95; 500 lbs., $16.75; 1000 lbs., $32.00; 2000 lbs., $62.00.

VAUGHAN'S "ROSE GROWER" BONE MEAL

This is a special brand we have put up for our trade. It is ground fine, hence acts quickly. Free from acid, and a superb article. It is made from bone accumulated in large slaughter houses, and should not be compared with the Bone Meal made from cattle heads and feet gathered upon the western prairies. Our "Rose Grower" Bone has been slightly steamed to soften it and is thus quicker in its action. Analysis: Nitrogen, 3¾ per cent: total phosphoric acid, 22 per cent. Price, 5 lbs., 45c; 10 lbs., 85c; 25 lbs., $1.40; 50 lbs., $2.00; 100 lbs., $3.25; 500 lbs., $14.50; 1000 lbs., $27.50; 2000 lbs., $52.50.

STEAMED BONE MEAL.—Price, 25 lbs., $1.10; 50 lbs., $1.75; 100 lbs., $2.60; 500 lbs., $12.00; 1000 lbs., $22.50; 2000 lbs., $42.50.

VAUGHAN'S SHEEP MANURE

This is a pure, natural manure, and its effect is immediate; it is excellent for mixing with the soil for greenhouse plants—one part manure and six parts soil. Strewn over and dug into the vegetable garden or placed directly in drills or hills, it promotes a rapid, steady growth until maturity. It makes the richest, safest and quickest liquid manure. For use in liquid form, one pound to five gallons of water will make a liquid which can be used with safety daily if necessary. Price, 5 lbs., 35c; 10 lbs., 65c; 25 lbs., $1.20; 50 lbs., $1.60; 100 lbs., $2.35; 500 lbs., $10.25; 1000 lbs., $17.25; 2000 lbs., $33.50.

Shredded Cattle Manure. Manufactured by special process from selected fresh cleanings from cattle pens. There is no offensive odor, and when spread on lawn and garden it works down into the soil so that there is no refuse to blow about or be raked off when the growing season begins. Price, 25 lbs., $1.25; 50 lbs., $1.75; 100 lbs., $2.75; 500 lbs., $11.25; 1000 lbs., $18.50; 2000 lbs., $35.00.

Adco Artificial Stable Manure. Make it yourself, in your own garden. To each ton of straw, hay, cornstalks or dried leaves add 150 lbs. of Adco to make four tons of fresh or three tons of rotted manure. Adco contains nothing injurious to health or harmful to animal or plant life. Shipments accompanied by full directions. 7½ lb. bag, $1.00; 25 lbs., $2.50; 150 lbs., $11.50. Write for booklet.

Aluminum Sulphate. For creating acid condition in the soil. 1 lb., 15c; 5 lbs., 60c; 10 lbs., $1.00; 25 lbs., $2.00; 100 lbs., $4.75.

Clay's Fertilizer. This valuable imported manure is especially recommended to all who grow either fruit, flowers or vegetables, and wish to bring them to the highest perfection. It should also be used in potting soil as a top-dressing.
Price, 7 lbs., $1.85; 14 lbs., $2.95; 28 lbs., $4.60; 56 lbs., $7.95; 112 lbs., $13.95.

Fertilizer Spreader, Little Vigoro. An inexpensive spreader, holds about 15 lbs. of fertilizer. Can also be used for sowing grass seed. Each, $1.95.

For Larger Spreaders See Page 108.

Floranid Urea. A highly concentrated inorganic fertilizer containing 46 per cent available nitrogen, clean, odorless, stainless, for flowers, vegetables, berries, shrubs, lawns, ornamental and fruit trees; 92 times stronger than manure. Price, lb. can, 30c; 5 lbs., $1.00; 25 lbs., $3.00; 50 lbs., $5.25 in original bags.

Hardwood Ashes. Rich in potash and containing all of the fertilizing elements except nitrogen. Is used on the lawn at the rate of a ton or more per acre as a first application, an annual dressing of three hundred pounds afterwards.
Price, 25 lbs., $1.20; 50 lbs., $1.70; 100 lbs., $2.60; 500 lbs., $10.00; 1000 lbs., $18.00; 2000 lbs., $35.00.

Horn Shavings. Quick acting and lasting. Price, 5 lbs., 95c; 25 lbs., $2.65; 50 lbs., $4.25; 100 lbs., $7.75.

Lime, Hydrated. A neutralizer for soil acidity. Price, 10 lbs., 35c; 50 lbs., $1.25.

Leaf Mold. For correction of clayey and sandy soil conditions. Per bushel, $1.25; per bag of two bushels, $2.25.

Limestone, Pulverized. Is a neutralizer for soil acidity, also improves the texture of the soil and liberates nitrogen and other plant food, and stimulates bacterial action. Apply after the land is plowed or dug for a crop, scattering with a lime distributor, 2 tons or more per acre, or by hand in small gardens—about a large handful to a square yard. Price, 100 lbs., $1.50; 500 lbs., $5.00; 1000 lbs., $7.50; 2000 lbs., $13.50.

Lime Phosphate, Ruhm's. Nature's source of phosphorous. The most phosphate at lowest unit cost.
Price, 100 lbs., $2.45; 500 lbs., $9.00; 1000 lbs., $16.00; 2000 lbs., $29.00.

Loma. Beautifies lawns and gardens, a scientifically prepared plant food for lawns, flowers, vegetables, shrubbery and potted plants. Rich in nitrates, phosphates and potash; contains no filler. Price, 1 lb., 10c; 5 lbs., 45c; 10 lbs., 85c; 25 lbs., $1.50; 50 lbs., $2.50; 100 lbs., $4.00.

Milorganite. Induces vigorous growth of established turf, produces a dark green foliage and aids in quickly establishing new turf seedings, is free of weed seeds and provides plant food over a long period. 100 lbs., $2.75; 500 lbs., $12.50; 1000 lbs., $22.00; 2000 lbs., $40.00.

Muriate of Potash. Imported Potash, once again available, should be used liberally, especially for all root crops.
Price, 25 lbs., $1.50; 50 lbs., $2.45; 100 lbs., $3.75; 500 lbs., $16.50.

Nitrate of Soda or Chili Saltpeter. Nitrate of soda is not a substitute for other manures, but one of the cheapest and best forms in which to apply nitrogen to plants. Do not let nitrate touch green growth or it will burn.
For the home garden apply as a solution, one ounce to two gallons of water.

Price (subject to market changes), 5 lbs., 50c; 10 lbs., 95c; 25 lbs., $1.50; 50 lbs., $2.50; 100 lbs., $3.75; 500 lbs., $16.00; 1000 lbs., $29.00; 2000 lbs., $56.00.

Write for prices on larger quantities.

Sorbex. A finer granulated peat moss for lawns, seed flats, cold frames, etc. Ten bushel bag, $3.85.

These Prices Are Subject to Change Without Notice.

Nitragin. **The Original Legume Inoculator.** Alfalfa, all Clovers, and Lespedeza; ½ bu. size, 35c; 1 bu. size, 55c; 2½ bu. size, $1.20.
For Peas, Vetch, Beans, and Austrian Winter Peas; ½ bu., 30c; 1 bu., 45c; 1⅔ bu., 65c; 5 bu., $1.85.
Special Prices. Soy Beans and Cow Peas; 1 bu. size, 35c; 2 bu. size, 55c; 5 bu. size, $1.20; 10 bu. size, $1.75.
Garden Size, for Peas, Beans, Sweet Peas and Lupines, only 10c.
Always state kind of seed—legumes only.

Nitrophoska. A highly concentrated inorganic fertilizer, clean and odorless. 15 per cent nitrogen, 30 per cent phosphoric acid and 15 per cent potash. 1 lb., 30c; 5 lbs., $1.00; 25 lbs., $3.00; 50 lbs., $5.25.
Write for prices on larger quantities in original bags.

Peat, Orchid. Very useful for orchids and azaleas. Price, $3.75 per sack of about two bushels.

PIC *Emblem-Protected* **PEAT MOSS**

A moisture-retaining humus. An important aid in saving soil fertility, better than manure; prevents the formation of hard top crust and fungus growth.
Home garden size bale, about 6 bushels, $2.25; large bale of about 22 bushels, $4.25.

Scotch Soot (Genuine Imported). Gardeners know the value of the genuine article for stimulating a healthy growth of dark green foliage, and its beneficial effect in freeing the soil from slugs, grubs and cut-worms.
Price, 25 lbs., $2.35; 50 lbs., $3.95; 100 lbs., $6.95; 500 lbs., $31.00.

Super Phosphate. Twenty per cent available. Bone phosphate the most available form. Used on grain crops and others requiring an excessive amount of phosphoric acid.
Price, 25 lbs., $1.25; 50 lbs., $1.85; 100 lbs., $2.75; 500 lbs., $10.50; 1000 lbs., $19.00; 2000 lbs., $37.00.

Sulphate of Ammonia. Used for its nitrogen. A very desirable fertilizer for all plants in which a large leaf development or rapid growth is desired. It tends to create an acid reaction in soil. Do not let it touch green growth. Use 1 pound to 50 square feet.
Price, 25 lbs., $1.45; 50 lbs., $2.35; 100 lbs., $3.50; 500 lbs., $15.75.

Vaughan's Special Tree Food. 10% nitrogen, 8% available phosphoric acid, 6% potash. Excellent for all types of shade trees and evergreens. For shade trees apply in holes drilled 16 inches deep and 2 feet apart under drip of outside branches at rate of ¾ pound per each foot in height of tree up to 50 lbs. per tree. For evergreens use ½ pound per foot in height of tree, and work into surface soil.

Promotes heavier foliage, new growth, leaves come out earlier in spring and hang on later in fall and have better color. Price, 25 lbs., $1.50; 50 lbs., $2.50; 100 lbs., $3.85; 500 lbs., $17.50.

VAUGHAN'S CONCENTRATED PLANT FOOD. A most useful fertilizer for all kinds of plants raised in pots. It produces a rapid and vigorous growth and an abundance of flowers. It is entirely free from objectionable odor and may be used in powder form or dissolved in water to make liquid fertilizer. It contains all the chemical elements known to be of value as plant food.
Package containing food for 20 plants for 3 months; large package containing sufficient plant food for one year. Directions in packages. Small packages, each, 20c, if by mail, 25c; large packages, each, 30c, if by mail, 35c.

Vigoro. Complete Plant Food—after seed the most important aid to beautiful lawns and gardens. It is specially prepared to give plants a balanced diet, containing nitrogen, phosphates, potash, also manganese, calcium, magnesium, iron, sulphur, etc. Odorless and free from weed seed.
Price, 5 lbs., 45c; 10 lbs., 85c; 25 lbs., $1.50; 50 lbs., $2.50; 100 lbs., $4.00.

Stim U Plant Tablets. For potted plants. Per pkg., 30c, postpaid; large pkg., 100 tablets, 75c, by mail, 85c.

Newest Improved Sprays and Dusts

Add Postage According to Weight and Zone (Page 115.)

ACME ALL ROUND SPRAY. The latest improvement in the insecticide field, one product which will combat blight and fungus diseases,control sucking insects and destroy chewing insects in one application; safe to use on almost all fruits, vegetables, flowers and shrubs. Per ¼ lb., 35c; 1 lb., 85c.

ACME DAWG-GONE. Keep dogs away from Evergreen. Remove cap and hang tube of Dawg-Gone (opening down) in the lower branches of trees at the points of approach. The odor slowly emanating from the open tube will keep dogs at a distance from six months to a year, winter or summer. Tubes, 25c each or 6 for $1.25.

ANSUL FORMALDEHYDE DUST. Control "damping off" of flower and vegetable seedlings. Price, 1 lb., 75c; 5 lbs., $2.00; 25 lbs., $5.50; 50 lbs., $9.00.

ANTROL. Sets containing 4 jars and 4-oz. bottle of syrup, price, 75c; extra jars each, 10c. 4 oz. bottle syrup, 35c. Pint bottle of syrup, 85c; gal., $3.50.

ANTROL ANT POWDER. Kills ants, roaches, silverfish and other pests. Packed in handy shaker twist-top can. Each, 25c.

ANTROL ANT TRAPS. Kill both sweet and grease eating ants. Each, 15c; 6 for 85c.

ANTROL READY FILLED SETS. Consisting of four patented glass "feeders" filled with regular antrol syrup, price per set, 40c.

ANT EXTERMINATOR. Non-poisonous powder which, if scattered about their haunts or runs, will kill or drive away ants from lawns, etc. (We do not send this outside of States of Illinois and New York.) Per box, 40c; smaller size, 25c; by mail, 5c extra.

APHIS SPRAY. Improved Nicotine Spray. Combining a soft fish oil soap with black leaf 40. Price per 3 oz. tube, 35c; 12 oz. tube, 95c.

APHINE. ½ pt., 40c; pt., 75c; 1 qt., $1.10; 1 gal., $3.00.

ARSENATE OF LEAD. (Dry.) For dusting and spraying. Solves the problem of controlling practically all leaf-eating insects in an efficient manner. 1 lb. carton, 35c; 4 lbs., 95c; case of 24 lbs., $4.80; 100 lbs., $16.00.

BLACK ARROW DUST. A non-poisonous pyrethrum dust, effective against many insects. Price, 1 lb., 45c; 5 lbs., $2.00; 10 lbs., $3.50; 100 lbs., $23.50.

BLACK LEAF 40 is a solution of Nicotine Sulphate. It is highly recommended by Experiment Stations throughout the United States as a spray for soft bodied sucking insects. For spraying only. Directions must be followed carefully: 1 oz. bottle, 35c; 5 oz. can, $1.00, makes 40 to 100 gallons; 1 lb. bottle, $2.25, makes 40 to 200 gallons; 2-lb. can, $3.25, makes 200 to 500 gallons; 5-lb. can, $5.85, makes 400 to 1000 gallons; 10-lb. can, $10.60, makes 840 to 2100 gallons.

BORDEAUX MIXTURE. (Dry.) The best fungicide for curing and preventing black rot, mildew, blight, leaf curl, scab or other fungoid diseases on fruits and plants. 1 lb. will make 5 gallons liquid. Lb., 35c; 4 lbs., 95c; case of 24 lbs., $4.80.

BUG GUN. A practical self-dusting package, consisting of Rotenone, all ready to use. Complete with dust, each, 35c, postpaid, 50c.

CALO-CLOR powder for prevention of brown patch on lawns. 1 lb., $2.50; 5 lbs , $11.75.

CALCIUM, ARSENATE. (Dry). Lb., 35c; 4 lbs., 85c.

CARBON DISULPHIDE. For ants and cut worms. (By express only.) 1 lb., 50c; ¼ lb., 25c.

CALO-GREEN POWDER. For control of neck rot or scab on gladiolus. 1 lb., $2.50; 5 lbs., $11.75.

CORROSIVE SUBLIMATE. U.S.P. powder. 1 lb., $2.00; 5 lbs., $9.00; 10 lbs., $17.50.

CUPROCIDE. Use for dusting seeds to insure germination, and prevent damping off. May be used as a spray for mildew, etc. 4 oz., 35c; 1 lb., $1.00; 5 lbs., $4.35.

CYANOGAS A. DUST. Kills ants, moles, mice, rats, groundhogs and prairie dogs. (By express only.) 4 oz. tin, 30c; ½ lb., 45c; 1 lb., 75c; 5 lbs., $3.00; 25 lbs., $10.00; 100 lbs., $30.00.

CYANOGAS CALCIUM CYANIDE "G." Greenhouse fumigant. Aphis, white fly, thrips, soft scale, and mealy bug and control for crop-destroying rodents. 5 lbs., $3.00; 25 lbs., $10.00; 100 lbs., $30.00. (By express only.) Write for leaflet.

DENDROL. A dormant spray oil. Gal., $1.25; 5 gal. drum, $5.00; 15 gal. drum, $9.00.

DERRISOL. Is an odorless, non-poisonous liquid which will control sucking insects like aphis, thrips, leaf hoppers and red spiders, also controls currant worms and other leaf-eating larvae. Oz., 35c; 8 oz., $1.20; 2 lbs., $3.00; 10 lbs., $12.00.

DOG-SHOO. Keeps dogs and cats away from evergreens, shrubs, posts, walls or any place where they are not wanted. Leaves an odor scarcely noticeable by humans but very offensive to animals. Qt., 75c; gal., $1.75.

DOGZOFF. Breaks dogs of bad habits. Spray underneath your evergreens, and guard them completely against the depredation of dogs. Non-poisonous. Per bottle, 60c; by mail, 70c.

DRY LIME SULPHUR. For dormant spray use 12 to 15 lbs. to each 50 gals. of water. For summer spray, 3 to 4 lbs. to each 50 gals. of water. Lb., 35c; 5 lbs., $1.50; 25 lbs., $4.50; 100 lbs., $12.50.

FISH-OIL SOAP. Standard wash for trees and plants where insects and eggs affect the bark. Lb., 30c; 5 lbs., $1.25; 10 lbs., $2.25.

FLOWERS OF SULPHUR. For dusting. Lb., 15c; 10 lbs., $1.00; 50 lbs., $3.00; 100 lbs., $5.50.

FUNGINE. New remedy for mildew, rust and other fungus diseases; for greenhouse and outdoor use. Pint, 65c; 1 qt., $1.10; gal., $3.00.

FUNGTROGEN. A preventive and remedy for mildew, black spot, and many fungus diseases of roses and other plants. ½ pt., 75c; pt., $1.25; qt., $2.00; gal., $6.00.

GRAPE AND ROSE DUST. Excellent for the prevention and destruction of mildew on plants. 1 lb., 40c; 5 lbs., $1.50; 25 lbs., $6.50.

HELLEBORE POWDERED, White. Less poisonous than Paris Green and safer to use when fruit and vegetables are nearly ripe. Per ¼ lb., 20c; ½ lb., 35c; lb., 60c; 5 lbs., $2.25; 10 lbs., $4.00.

KALITE. A better and safer protection for vegetables, fruits and flowers. A non-poisonous insecticide in powder form for controlling chewing and eating insects; not to be mixed with water; can be applied with any standard duster. Price, 1 lb., 35c; 3¼ lbs., $1.00; 50 lbs., $5.50; 100 lbs., $10.00.

LEDKO. A colloidal arsenical spray for a quick control of leaf eating insects. 2½ oz. bottle, 35c; 1 lb. jar, $2.00.

LEMON OIL. Destroys mealy bug, scale, red spider. ½ pt., 30c; pt., 50c; qt., 75c; ½ gal., $1.50; gal., $2.50; 5 gals., $10.00.

LETHANE 440. A very effective insecticide for controling red spider and mealy bug. Qt., $3.50; gal., $10.00.

LETHANE SPREADER. Gal., $2.00.

LIME SULPHUR. (Solution.) The best remedy for San Jose scale. One gallon makes twelve. Per qt. can, 45c; 1 gal., $1.00; 5-gal. can, $4.00. Write for prices in barrel lots.

LUTZITE OR RIGID DUST. A triple duty dust. Controls sucking and chewing insects, also a very effective fungicide. Lb., 50c; 2 lbs., 85c; 10 lbs., $3.50.

McCLOUD SENTINEL RED SQUILL LIQUID. Kills rats, not a poison, safe to use anywhere. Small size makes 50 baits, price, 60c; large size makes 100 baits, price, $1.00; by mail, add 10c.

NAPTHOLINE FLAKES. 5 lbs., $1.60; 25 lbs., $4.00.

NAPTOCIDE. New plant and bulb fumigant; effective against thrips, wood-lice, sow bugs, wire worms, etc. 1 lb., 35c; 5 lbs., $1.25; 10 lbs., $2.00; 25 lbs., $4.25; 50 lbs., $8.00; 100 lbs., $14.00.

NEW EVERGREEN SPRAY. Non-poisonous insecticide. No spreader required; retains its strength. Oz. bottle, 35c; 6-oz. bottle, $1.00; 16-oz. bottle, $2.00; gal., $11.00.

NICO-FUME POWDER FUMIGATOR. Lights quickly, burns evenly and will not go out. No waste; every particle is consumed. It retains its strength indefinitely. 5-lb. tin, $4.00; 10-lb. tin, $7.

NICO-FUME POWDER PRESSURE FUMIGATOR. Is now burned under pressure in the can in which it is packed. ½ lb. can, 60c; doz., $6.00; 1 lb. can, $1.00; doz., $9.00.

NICO-FUME LIQUID. For fumigating or spraying; contains 40 per cent nicotine. 1 lb., $2.50; 4 lbs., $6.50; 8 lbs., $12.00.

"NICO-FUME." A Tobacco Paper for Fumigating. Strips of paper strongly saturated with Nicotine. Use 4 to 6 sheets for ordinary house 100 ft. long by 20 ft. wide. Price, 24 sheets, $1.50; 144 sheets, $5.50; 288 sheets, $10.00.

NICOTINE PYROX. For chewing and sucking insects. 10-oz. jar, 50c; 5 lbs., $2.00.

NIKOTEEN. 30% grade. For spraying and fumigating. Oz. bottle, 35c; ½ pt., $1.00; pt., $1.75; 3 pts., $5.00; original case 10 pts., $16.00. 40% grade, 4 lbs., $7.00; 8 lbs., $12.00.

PARIS GREEN. A poisonous insecticide in powder form; for insects which chew. ¼ lb., 20c; ½ lb., 35c; per lb., 55c; 5 lbs., $2.50; 14 lbs., $6.00.

PENETROL. An activator for nicotine spraying solutions. Qt., 85c; gal., $2.00; 5 gals., $7.50.

PINE TAR. For tree surgery. Stops bleeding of the sap. Pint, 40c; qt., 75c; gal., $1.75.

POMO GREEN. Without nicotine. The new green Fungicide for roses and other flowers and ornamentals; will control black spot, mildew and chewing insects. Lb., 50c; 5 lbs., $1.75; 25 lbs., $8.00.

POMO GREEN. With nicotine. 1 lb., 75c; 5 lbs., $3.00.

PYRETHRUM POWDER. 1 lb., 85c; 5 lbs., $3.50; 10 lbs., $6.00.

PYROTE. A combination spray consisting of Rotenone and Pyrethrum. Oz., 35c; 6 oz., $1.00; gal., $11.00.

PYROX. Kills all leaf-eating insects, destroys fungus growth, blight and rot. Mixes easily in cold water, sprays without clogging and sticks to foliage. Price, 10 lbs., $3.00; 25 lbs., $5.00; 50 lbs., $7.25; 100 lbs., $12.50.

RED ARROW. Non-poisonous, kills by contact, will not burn or stain tenderest foliage, ounce will make 4 to 8 gals. spraying solution. Oz., 35c; 4 oz., $1.00; pint, $2.50; qt., $4.00; gal., $12.00.

ROTECIDE. Contact and stomach poison. Kills mites, mealy bug, beetles, thrips, aphis, etc. Oz., 35c; ½ pt., $1.00; pt., $1.75; qt., $3.00; gal., $8.00.

ROTECIDE INSECT DUST. The standard rotenone dust for killing insects in greenhouses, stables, dog kennels and in the field. 1 lb., 35c; 5 lbs., $1.50; 10 lbs., $2.50; 25 lbs., $4.50.

ROTOGREEN. Very effective for thrip, red spider and mealy bug in addition to the more easily controlled pests. Does not burn and leaves no poisonous residue. Pt., $2.00; qt., $3.50; gal., $12.00; 5 gals., $48.00.

SCALECIDE. A complete dormant spray for fruit trees, shade trees and ornamentals. Controls scale and invigorates growth. Use 1 gal. to 15 gals. water. Qt., 65c; gal., $1.55; 5 gals., $5.50; 10 gals., $9.50. Write for price in barrel lots.

SELOCIDE. Kills red spiders. Price, gal., $3.50; 5 gals., $16.75.

SEMESAN. The universal seed disinfectant and plant stimulant. Important for control of damping off of seedlings, Gladioli, and disinfection of seed bed soil. Prices, 2 oz., 35c; 1 lb., $2.25; 5 lbs., $9.90; 25 lbs., $45.50; 100 lbs., $180.00. Write for leaflets, stating for what purpose desired.

Write for leaflets on Semesan, Semesan Jr. and Semesan Bel.

SLUG SHOT, Hammond's. Guaranteed to destroy potato bugs, and those on tomato and egg plants, currant worms, cabbage lice and worms. Price, 1 lb., 25c; 5-lb. tin, $1.00; 25-lb. bag, $3.00; per keg, 125 lbs., $12.50; barrel, 250 lbs., in bulk, $25.50.

SLUG SHOT DUSTER. ½ gal. size, 60c.

SNAROL. An insecticide bait to combat snails, cut worms, sow bugs and grasshoppers. Price, 1½ lb., 35c; 4 lbs., 85c; 15 lbs., $3.00; 50 lbs., $8.00.

SULFOCIDE. A concentrated sulphur fungicide for fruits, vegetables and flowers. Qt., 85c; gal., $2.25.

SULPHATE OF IRON. A remedy for weeds on lawns, kills dandelions without injuring grass. Apply liquid with a fine spray. Particulars on application. 5 lbs., 45c; 10 lbs., 80c; 25 lbs., $1.45; 50 lbs., $2.25; 100 lbs., $3.75.

THRIP JUICE No. 2. Destructive for mealy bug, scale, thrip, codlin moth, canker worm, beetles, caterpillars, etc. Per pt., 65c; qt., $1.25; gal., $4.80.

TOBACCO DUST. (Regular Grade.) 5 lbs., 35c; 10 lbs., 65c; 100 lbs., $4.00.

TOBACCO STEMS. 100 lbs., $2.50; 500 lbs., $9.50; 1,000 lbs., $18.00.

TREE TANGLEFOOT. Perfect safeguard for trees. 6 oz., 25c; lb., 65c; 5 lbs., $3.00; 10 lbs., $5.65; 25 lbs., $12.00.

TRIO-GEN. Combined spray treatment fungicide-insecticide and plant stimulant. A complete protection against plant insects and diseases. A small kit makes 16 qts., $1.50; B, medium kit, makes 64 qts., $4.00; C, large kit, makes 32 gals., $6.00; D, estate kit, makes 128 gals., $20.00.

VERMINE. For eel, cut worms and wire worms, working in the soil. Can be applied to all vegetation. ½ pt., 40c; pt., 75c; qt., $1.10; gal., $3.00.

VOLCK. The Scientific Insecticide for nursery, greenhouse and garden. Controls scale insects, mealy bug, white flies, red spiders, rust mites, aphis and thrips. ½ pt., 35c; pt., 55c; qt., 80c; gal., $2.50; 5 gals., $7.50.

WILSON'S O. K. PLANT SPRAY. A powerful yet harmless and efficient insecticide for aphis, red spider, mildew, scale, etc. Price, ½ pt., 40c; qt., $1.00; gal., $3.00; 5 gals. for $12.00.

Sprayers and Dusters for Insecticides

HANDY KNAPSACK SPRAYER

Diaphragm type pump maintains high pressure until last drop of liquid is discharged. Very easy to operate. Tank holds 4 gallons. Equipped with 3 ft. hose, 2 ft. brass extension rod, automatic shut-off and adjustable nozzle. For all field crops, shrubs, etc.
No. 147 G Du-More, (galv. tank)..$15.00
No. 147 B Du-More, (brass tank)..$21.25

Ask for Prices on insecticide nozzles.

WHEELBARROW SPRAYER

Ideal No. 34S

Goes anywhere like a wheelbarrow, through narrow openings. For spray solutions, disinfectants or whitewash. With extra long handle and large air chamber, develops 150 to 200 lbs. pressure with minimum of effort. Made of best materials, all working parts of brass or bronze. Cart is strong, all steel and cross braced. Tank holds 18 gals. Fully equipped with hose, nozzle, fittings, steel extension, etc. Price, $21.00.
Shipping weight, 80 lbs.
No. 35S. Same as above, but with pressure tank and gauge. Price, $31.75.
No. 36S. SUNSHINE. Same type as above with smaller pump and 12½ gallon tank complete with all equipment. Price, $12.75.
No. 37S. Same as above, but with pressure tank and gauge. Price, $21.50.

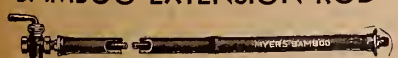
HUDSON BARREL PUMP No. 4SA

Same pump as used in Hudson Ideal outfit. Pump equipped with 6 ft. high pressure hose, 4 ft. iron extension rod, nozzle and fittings. Price, $11.75.
No. 4SB. Same as above, but with 50 gallon steel barrel. Price, $27.00.
No. 4SC. Same as above, but with barrel mounted on two wheel cart. Price, $42.00.

MODOC WHITEWASH AND SPRAY PUMP

This is most excellent for use in gardens, greenhouses, orchards, washing, windows and automobiles or whitewashing and spraying poultry houses. Is fitted with nozzle, the best combination spraying device, and can be changed from a solid stream to a spray. It is double action and has large air chamber which throws an absolutely continuous stream, solid or in fine spray. It is one of the best pumps made for the money.
Price, complete, without bucket, $4.25.

BAMBOO EXTENSION ROD



Lined with aluminum. Eight feet long, with stop cock. Each, $4.25; 10 ft., $4.50.

BLIZZARD COPPER CONTINUOUS SPRAYER

Very durable, seamless brass pump, solid copper quart tank with adjustable nozzle for straight and underleaf spraying. Each, $2.00.

ARNOLD Garden Hose Sprayer

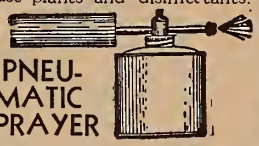
WITH CRYSTAL CLEAR CARTRIDGE CHAMBER AND INSECTICIDE CARTRIDGES

A special mixing and spraying nozzle which attaches to your garden hose. Insert insecticide cartridge and spray—as easy as watering your lawn. Brass finish. Each, $3.50.
Cartridges, combination pyrethrum and rotenone. Each, 35c; 6 for $2.00.
Colloidal sulphur cartridges, each, 35c; 6 for $2.00.
Nicotine cartridges, each, 35c; 6 for $2.00.

BOTTLE SPRAYER

Especially adapted for spraying insecticides, flowers, house plants and disinfectants. Each, $1.25.

PNEUMATIC SPRAYER



Compressed air hand sprayer. Operator sprays with one-half labor ordinary sprayer requires. Throws a fine mist and can be used to apply insecticides, etc. One quart size has extra nozzle for underleaf spraying. Galvanized tank, $1.35; all brass, $1.95.

INSECTO GUN

Applies all insecticides as easily as sprinkling the lawn, adjustable from a wide finely atomized fog spray to a high stream for reaching the top of trees. Each, $3.75; postpaid, $4.00.

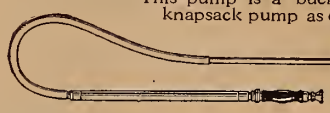
SMITH'S LIGHTNING SPRAYER

A durable, low priced sprayer, has a funnel top, made of heavy steel or solid brass tank as illustrated. 3½ gallon capacity.
Price, galvanized, $4.75; brass, $7.75.

BROWN'S NEW OPEN-HED

Tank heavy steel or brass copper alloy, 4-gal. capacity guaranteed for 100 lbs. pressure. Electrically welded seams, double acting pump lock, tank opening is five inches in diameter; has a rubber double grip pump handle and swivel nozzle which can be adjusted to any angle, price complete as illustrated. Galvanized tank, $6.50. Copper, $9.75.

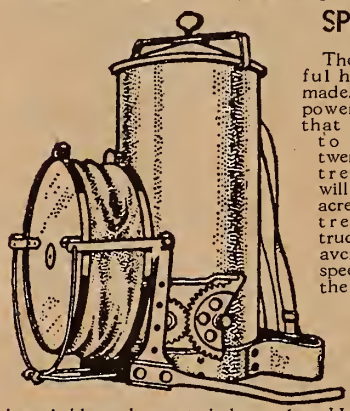
STANDARD SPRAY PUMP



This pump is a bucket, barrel or knapsack pump as desired Price, $4.50; with knapsack and curved extension, $8.50.

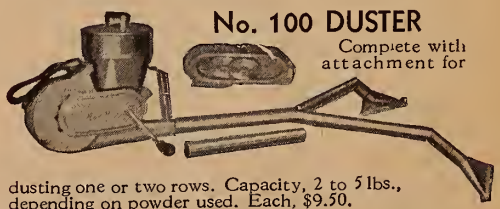
Dusters and Blowers

THE AMERICAN BEAUTY DUST SPRAYER



The most powerful hand duster made. Has a large, powerful bellows that throws dust to the top of twenty-five foot trees. A man will average eight acres per day on trees. Dusts truck crops at an average walking speed, and dusts the under side of leaves. Has a spiral agitator that crushes and grinds the dust and feeds directly into the moving air blast; does not choke or clog. Has an efficient regulator for discharge control. It is considered the standard of efficiency by all authorities. Price, $22.00. Write for leaflet.

No. 100 DUSTER

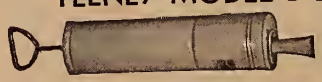


Complete with attachment for dusting one or two rows. Capacity, 2 to 5 lbs., depending on powder used. Each, $9.50.

HUDSON MAJOR DUSTER

The Major handles Paris green, arsenate of lead, calcium arsenate, and similar poisons very efficiently It is used for home gardens, on truck plots, in cotton, potato and tobacco fields, in the dairy barn, around the poultry houses, etc. Powder reservoir holds about 1 lb. Large filler cap makes loading easy. Weight. about 2 lbs. Each, $1.25.

FEENEY MODEL B DUSTER



Splendid Hand Duster. Each, 85c.

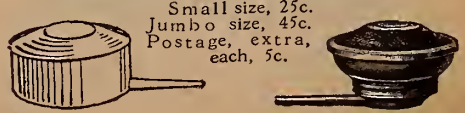
FEENEY MODEL F

Hopper capacity approximately 1 qt. Each, $1.35; postage extra.

Powder Bellows

For dusting with sulphur or like material.
No. 11. Length, 17 inches over all. Each, $2.25.
No. 16. Length, 21 inches over all. Each, 3.00.

POWDER GUN, CYCLONE



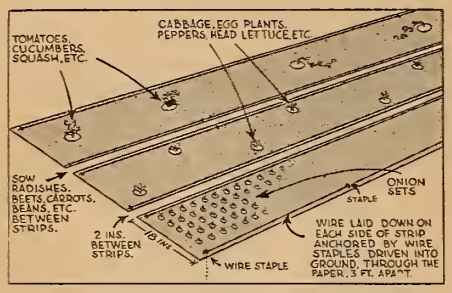
Small size, 25c.
Jumbo size, 45c.
Postage, extra, each, 5c.

SAGE HI-CAPS

A new type of wax paper cloche, with ventilating opening at top, 10 inches at base, 12 inches tall, which has given excellent satisfaction in tests. Used like Hotkaps. Ventilation is necessary for healthy plants.

Price, per M, 1 to 4M, $10.50; 5 to 9 M, $10.35; 10 to 24M, $10.25 ;25M and over, $10.00. Aluminum Setter, each, $1.50.

GARDEN MULCH PAPER



Gator-Hide mulch paper, impregnated with asphalt. Type A, 300 lineal yards, 18-in. wide, approximately 30 lbs., $2.50 per roll. 36-in. wide, approximately 60 lbs., $5.00 per roll. Type B, extra heavy for perennial crops, 150 lineal yards, 18-in. wide, approximately 30 lbs., $2.50 per roll; 36-in. wide, approximately 60 lbs., $5.00 per roll. Small garden size roll, 45 lineal feet. Price, 45c; by mail, 65c.

Write for discount on 10 rolls or more.

LADIES' AND YOUTHS' SET OF GARDEN TOOLS

Well constructed; combine strength and light weight. This set of lightweight tools comprises a long handled hoe, a garden rake, garden spade and spading fork. They are all serviceable, well-constructed tools (not toys), handy for use in camp and home gardens. Price, per set, $4.25.

B-B IMPROVED CELERY BLEACHERS

The B-B Celery Bleachers are made in two sizes:

	Inches	Per Doz.	Per 100	Per 500	Weight Per 100
B-2	6½x13	$0.45	$3.50	$15.00	11½ lbs.
B-3	7 x14	.50	4.00	17.00	12½ lbs.

The B-2 size is usually used on medium or average size celery, the B-3 is for large stalks, especially the green varieties which usually grow much larger than the self bleaching kinds.

Two types of handler are available:

H-1—Celery Handler, (brass) - - Each, $3.00

H-2—Celery Handler, (tin) - - - - -Each, $1.00

When ordering, always state whether to be sent by parcel post, express or freight. If by parcel post, kindly include necessary amount for postage.

KNEE PADS

All rubber cushion pads constructed of solid and sponge rubber with adjustable straps fit any knee, will not slip down when walking. Price, $1.60; postpaid, $1.75.

HOTKAPS

These plant protectors mean larger, earlier, premium crops.

Protects plants from frost and other elements, matures crops earlier, keeps insects out, keeps soil soft. They are made of a specially prepared waxed paper and are cone-like in shape, measuring about 11 inches in diameter at the base and coming to a point at the top. When placed over the plants and held firmly in place by the soil around it, Hotkaps become individual miniature hothouses.

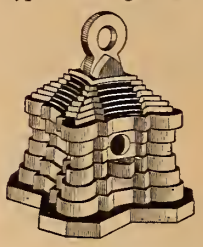
Hotkap Setter. Will prove very helpful. This is a small steel cone, the exact shape of the Hotkap itself, with a handle at the top. The cost of the Hotkap setter is nominal and it can be used a lifetime.

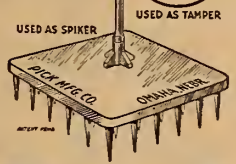
Prices: 1,000 lots, $10 25; 5,000 lots, $10.15 per M; 10,000 lots, $10.00 per M; 250 Trial Package including Garden Setter with Tamper, $3.85; 100 Home Package, including Garden Setter with Tamper, $2.65; Germaco Hotkap Steel Setter with Tamper, $1.50; postage extra. Wt.: 1,000 package HOTKAPS, 28 lbs.; 250 package, 9 lbs.; 100 package, 5 lbs.; Steel Hotkap Setter, 3 lbs.; Steel Setter and Tamper, $1.50; Garden Setter, 50c.

SPIKE TAMP

An indestructible all metal tool made of quality materials.

Weight, 13 lbs. Overall length, 4 feet. Plate 9 inches square. Spikes 1¾ inches long. Each, $4.50.





WOOD WRENHOUSE

Maintains even temperature. Hole just the right size, is much liked by this great songster. A real decoration to your garden, made of solid white pine lumber (no veneer), approximate wt., 8 lbs. Price, $1.25; three for $3.50.

ENGLISH COTTAGE WREN HOUSE

This English Cottage is the most attractive and comfortable house for our interesting little songster—the wren. It is made of cedar with four compartments and is air-conditioned. It has imitation copper gutters and down spouts, as well as bay windows and entrance with copper roof, and is made so it can be cleaned easily. This new type wren house can be hung on wire or fastened on two brackets near your window against the wall of the building. Price, each, $3.95.

GARDEN SET, TRUE TEMPER

This is a high grade set. Each tool is forged from one solid piece of bar steel. For complete set of trowel, hand weeder, hand spading fork and baby Warren hoe, postpaid, $2.95.

Trims hedges ten times faster. Can also be used for trimming grass in all those places where a lawn mower won't go. Price, $29.50. Price includes 6 ft. rubber covered cord, Extra cord, 50 ft., $2.25; 100 ft., $3.50.

O.K. ELECTRIC GRASS CUTTER

Trimmer and Edger

For formal gardens, terraces and small steep lawns. Completely finishes, no other implements needed. Will also trim hedge, cuts any way moved or held. Weight 5 pounds. A real implement. Price, $17.00.

O. K. ELECTRIC HEDGE TRIMMER

No gears, no bottom to choke up, does not disturb cut after made. It is a quality, practical trimmer. Heavy duty, ball bearing. Price, $15.00. Home use, $8.85.

LITTLE WONDER Hedge Trimmer.

Will trim your hedge five to ten times faster than hand shears. Attachments come with each machine to adapt it to flat, round or pivot tops as well as side cutting; 30-inch, $27.50; 40-inch, $30.00; 60-inch, $35.00.

Side-cutting carriage for trimming sides as illustrated. $5.00.

Illustration shows trimmer with side-cutting carriage.

Electric Model

Little Wonder Hedge trimmers. Junior Model, 27-inch cutting surface. Each, with 15 ft. of wire, $55.00 Senior Model, 36-inch, with 15 ft. wire, $95.00. 60-inch with 15 ft. of wire, $100.00. Extra 100 ft length best quality rubber covered waterproof wire with handy reel, $4.50. Write for leaflet.

MASTERS' PERFECT FERTILIZER DISTRIBUTOR

Spreads any kind of commercial fertilizer, grass seed and top dressing. It has a shut-off control and adjusting device right on handle. 36-inch equipped with double disc wheels.

16-inch size....$ 9.95
24-inch size.... 13.85
36-inch size.... 21.00

JUNIOR SPREADER

A sturdy distributor similar to the above. Each, $3.50.

COLVIN SUBSURFACE IRRIGATOR

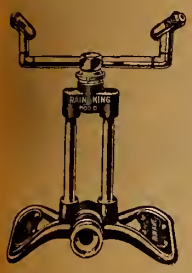
For trees, shrubs, and flowers, irrigates directly at the roots, dissolving the plant food in the soil and making it readily absorptive. Each, $3.45.

GARDEN NON-KINKABLE HOSE

Best hose, finest quality of rubber. Will not kink and will last for years. We can supply any length, fitted with couplings. There is no economy in buying cheap hose. **Price**, ¾-inch, 50 feet, coupled, **$7.45**; 100 feet, **$14.50.**

A **Good Grade Garden Hose**, ⅝-inch, fitted with couplings. 50 feet length, **$4.25.**

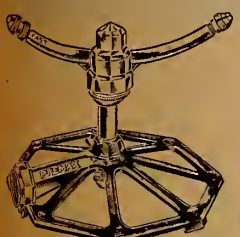
MODEL D RAIN KING



The latest Rain King, and world's greatest sprinkler value. Works on all water pressures or any spray. Sets quickly to turn fast or slow or for stationary sprinkling. Ea., **$2.85.**

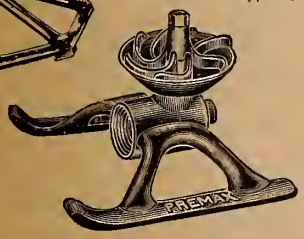
MODEL G RAIN KING

A new type home lawn sprinkler that throws every known kind of spray over circles 12 to 100 feet. Each, **$3.95.**



Premax Floating Head Sprinkler

Discharges 1½ times as much water as leading competitors in the same price class, has frictionless bearings that never wear out. Price, **$2.50.**



Premax Turbine Sprinkler

Throws a gentle rain in a 4 to 30 foot circle. Price, 60c, postpaid, **75c.**

RAIN KING NOZZLE

Machined from solid brass; cannot tarnish or corrode. Each, **65c**; postpaid, **75c.**

LINCOLN PARK OR BUTTERFLY

Cheapest and best sprinkler made. Each, **45c.**

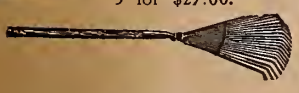
Mounted on stand: 2-foot, **$1.60**; 4-foot, **$1.95**; 6-foot, **$2.25.**

ROTARY and OSCILLATING SPRINKLER

Rotary Sprinkler.

This sprinkler is adjustable at will from bell-shaped spray to full stream, half or full circle, 15 to 80 feet diameter. It is a pleasure to watch this sprinkler in operation. It does the work better than a man can do it. Saves time, labor and money. Each, **$9.50**; 3 for **$27.00.**

BROOM RAKE. Made of spring wire. Each, **$1.25.**



ROSS PORTABLE SPRINKLER

Ross Portable Sprinkler System. A good substitute for an underground sprinkling system for the small lawn at a much lower cost. When used between lengths of hose of about 15 ft., three tees will cover about 675 sq. ft. of lawn and four tees will cover about 900 sq. ft. Each set consists of No. 30 adjustable tees and No. 58 square spray heads, with one No. 70 hose cap. Per set of three, **$3.50**; weight, 2 lbs.; per set of four, **$4.60**, weight, 2½ lbs.

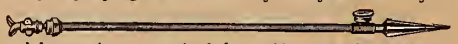
RIP The master rainmaker sprinkler. Each, **$1.00.**

THE EVANSTON SPRINKLER

One of the best lawn sprinklers on the market; has no revolving parts to wear out and will not clog with sand or dirt. Gives an even distribution of water over a large area. **Each, 70c; 3 for $2.00.**

AUSTRALIAN SPRINKLER

This sprinkler is one of the best distributors of water, because of its rapid revolution and form of its wings, spraying the water very finely and evenly.



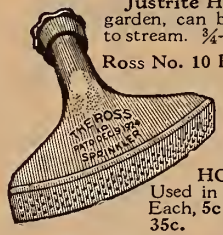
Mounted on stand, 2-foot, **$1.60**; 4-foot, **$1.95**; 6-foot, **$2.25.**

HOSE NOZZLES

Gem. Best all-around hose nozzle; can be used for lawn or garden, as it can be changed from fine spray to a stream by simply turning; for ¾-inch hose. Each, **60c**; by mail, **65c.**

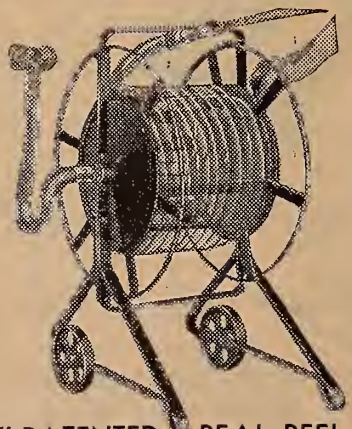
Boston Rose Spray. Brass; for ¾-inch hose; useful for watering lawn and garden. Each, **$1.35**; by mail, **$1.45.**

Justrite Hose Nozzle. For lawn and garden, can be changed from fine spray to stream. ¾-inch, ea., **65c**; by mail, **70c.**



Ross No. 10 Hand Sprinkler. Preferred by nurserymen and home owners alike. Capacity 13 gallons per minute. Do not compare with cheaper imitations. Each, **75c.**

HOSE STRAPS. Caldwell. Used in fastening coupler on hose. Each, **5c**; doz., **35c.** Pliers for same, **35c.**



NEW PATENTED REAL REEL

Water runs through the reeled up hose on reel sprinkle without unreeling any more hose than you need. All steel and brass, capacity 125 ft. of ⅝ inch hose, 100 ft. of ¾ inch hose. Frame made of 1"x⅜" steel. The patented flexible joint is solid brass and water-tight. Weight, 25 lbs. packed. Price, **$4.35.**

PERFECT CLINCHING COUPLER

¾-inch, per pair, 25c; doz., **$2.50.**

PERFECT CLINCHING HOSE MENDER

A self fastening coupling that doesn't require extra bands, bolts or wires. It adjusts itself to any thickness of hose. ¾-inch, each, **10c**; doz., **$1.00.**

THE COOPER HOSE MENDER

Best hose mender. Brass, with sharp barbs on either end to prevent hose slipping off. ½ or ¾-inch, each, **10c**; doz., **95c**; 1-inch, each, **12c**; doz., **$1.15**; postage, 5c doz. extra.

Iron Mender. For ¾-inch hose, each, **6c**; doz., **65c.**

HOSE WASHERS. ¾-inch, per doz., **5c**; gross, **50c.**

ROSS SQUARE SPRAY HEADS FOR SCIENTIFIC SPRINKLING

It sprinkles a square, making it easy for you to install your own underground system, at a very low cost. Threaded for ½ inch pipe, capacity 3¼ gals. per minute. Has a slotted adjusting screw to control the area of the spray. No. 54A. **Price**, per doz., **$6.00.**

"HERBICIDE"

THE WEED EXTERMINATOR

For ordinary grass and weeds, each part of Herbicide may be diluted with forty to fifty parts of water. One gallon will cover app. 2,500 sq. ft. Herbicide is a poison. Live stock should be kept off the treated ground until the dead leaves wither away. Qt., **50c**; gal., **$1.50**; 5 gals., **$6.00**; 10 gals., **$10.00**; 30 gals., **$24.00**; 55 gals., **$33.00.**

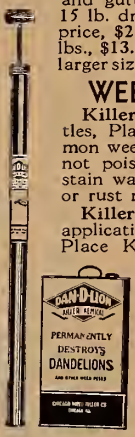
PURFECK

Chickweed Eliminator; kills only the chickweed and does not injure the grass, making it unnecessary to dig out the patches where chickweed appears or re-plant or re-sod such portions of the lawn or turf. Price, qt., **70c**; gal., **$2.00**; 5 gals., **$8.00.**

ATLACIDE

Non-poisonous Weed Killer Duster, especially recommended for obtaining weed-free driveways, paths, tennis courts, and gutters. 5 lb. can, **$1.50.** 15 lb. drum kills 1,500 sq. ft., price, **$2.75**; 50 lbs., **$7.00**; 100 lbs., **$13.50.** Write for prices on larger sizes.

WEED KILLER KIT



Killer Kemical kills Dandelions, Thistles, Plantain, Buckhorn and other common weeds. Does not sterilize the soil—Is not poisonous or inflammable—Does not stain walks or clothing—Does not corrode or rust metals.

Killer Kane insures easy and economical application—No stooping or back-breaking. Place Kane on crown of dandelion or weed and press handles lightly. A small amount of Kemical is released and does all the work. Children as well as grown-ups can operate effectively.

Killer Kits (Kane and ½-gal. Kemical), for 1500 dandelions, **$1.95.**

Killer Kemical, ½-gal., **$1.45**; gal., **$2.35**; 5 gals., **$9.85.**

MOWRAH MEAL

WORM REMOVER

A worm remover in powder form. Easy to apply; acts as a fertilizer and its effects are lasting. Apply at the rate of 15 lbs. per 1000 sq. ft. 5 lbs., **50c**; 10 lbs., **90c**; 25 lbs., **$1.75**; 100 lbs., **$4.50.**

WATERING POTS

American. Heavy galvanized round can, two copper-faced roses, long spout; 4-quart, **$4.75**; 6-quart **$5.25**; 8-quart, **$5.95**; 10-quart, **$6.25**; 12-qt., **$6.50.**

Spout is cut off in illustration to reduce space.

French Style. Oval, otherwise same make as above, 6-quart, **$6.00**; 8-quart, **$6.25**; 10-quart, **$6.75**; 12-quart, **$7.25.**

Owing to the fluctuations of the market, prices are subject to change without notice.

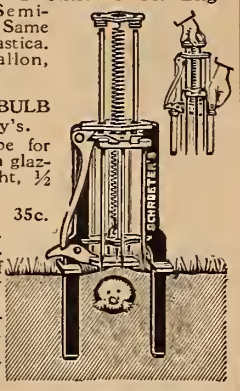
Vaughan's Garden

GLAZING MATERIALS AND POTS

MASTICA. For glazing greenhouses, hotbeds, sash, etc., better than putty; does not crack, always remains soft. Per gallon, $2.85.

MASTICA MACHINE. For applying above. (Weight, 1½ lbs.) Each, $3.25.

PUTTY. Twemlow's Old English. Semi-liquid. Same as Mastica. Per gallon, $2.85.



PUTTY BULB Scollay's. Putty Bulb. Useful tool with a tube for applying liquid putty in glazing greenhouses. (Weight, ½ lb.) Each, $1.75.

PUTTY KNIFE. Each, 35c.

MOLE TRAP IMPROVED, with patented setting attachment. One of the best mole and gopher traps. Each, $2.00.

Mole Trap

MOSS. Sphagnum. Burlapped bales. Ea., $2.00.

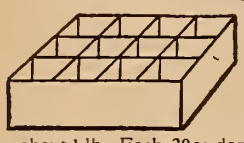
SHEET MOSS (Green). Freshly gathered; for windows, boxes, etc. Per sack, $2.25.

POTS (Flower)

F. O. B. Chicago. Write for New York Prices.

RED CLAY POTS. We pack these carefully, but will not be responsible for breakage.

	Doz.	100	1000		Doz.	100	Each
2 in..	$0.35	$1.45	$10.25	6 in.	$1.25	$ 7.75	....
2½ in.	.40	1.65	12.75	7 in.	1.65	11.75	....
3 in..	.50	2.50	16.25	8 in.	2.25	16.25	....
4 in..	.65	3.00	....	10 in.	...	....	$0.60
5 in..	.85	5.50	....	12 in.	...	....	.85



NEPONSET PLANT BOXES. Consists of twelve 2 inch plant bands and a container made of a special heavy waterproof composition. Shipped flat. Mailing weight about 1 lb. Each, 20c; doz., $1.60; per 100, $10.95.

POTS (Azalea, Cyclamen or Fern). ¾ size in height of standard flower pot.

	Ea.	Doz.		Each	Doz.
6-in.....	$0.15	$1.25	9-in....	$0.30	$3.25
7-in.....	.20	1.65	10-in....	.60	....
8-in.....	.25	2.25	12-in....	.85	....

BULB POTS. ½ size in height of standard flower pot.

	Ea.	Doz.		Each	Doz.
6-in.....	$0.15	$1.25	8-in....	$0.25	$2.25
7-in.....	.20	1.65	10-in....	.60	5.50

SAUCERS—Red Rubber

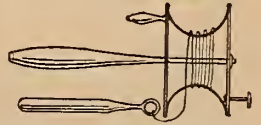
	Each	Doz.		Each	Doz.
4-inch.....	$0.15	$1.60	7½-inch	$0.40	$ 4.35
5-inch.....	.18	1.85	10-inch..	.75	8.40
6-inch.....	.25	2.40	12-inch..	1.00	10.80

SAUCERS—Clay

	Doz.	100		Doz.	100
5-inch.....	$0.60	$3.75	9-inch..	$2.00	$13.50
6-inch.....	.85	5.25	10-inch..	2.85	....
7-inch.....	1.10	7.50	12-inch..	4.20	....
8-inch.....	1.45	9.00			

NEPONSET PAPER POTS. Made of water-proof paper, light, clean and unbreakable.

	Doz.	100	1000
2¼-in.....	$0.14	$0.65	$ 4.25
2½-in.....	.17	.75	4.75
3 -in.....	.20	1.00	6.75
3½-in.....	.25	1.25	7.25
4 -in.....	.28	1.45	9.00
5 -in.....	.35	2.15	13.50
6 -in.....	.40	2.75	17.50



GARDEN LINE REEL. (Weight, 2 lbs.) Each, $1.35.

GARDEN LINE. Each heavy braided. Per 96 feet, 95c; by mail, $1.00.

GRAFTING WAX. Per ¼ lb. bar, 20c; ½ lb. bar, 35c; 1 lb. bar, 60c.

BOXES—Cut Flower.—Vaughan's "Green" Grade, green lined, moisture-proof board. Very popular. Packed 25 complete boxes per bundle.

Size, inches	Weight per 100	Per 100	Size, inches	Weight per 100	Per 100
3 x21x5	45 lb.	$7.50	3½x30x5	75 lb.	$9.75
3½x24x5	60 lb.	8.50	4 x24x8	85 lb.	12.00
5 x42x8	170 lb.	21.00	5 x28x8	105 lb.	13.50
5 x36x8	135 lb.	18.50			

SAXOLIN DUPLEX CRINKLED WATERPROOF TREE WRAP

For covering the trunks of transplanted and newly set fruit and shade trees. Helps your stock to get off to a healthy start. Rolls, 4 inch wide, about 155 ft. to a roll. Weight, about 2½ lbs. Ea., 60c; doz. $6.00.

HORMODIN ROOT FORMING CHEMICAL

Hormodin is a hormone-like plant growth substance. Its principal use is to stimulate rapid root growth on cuttings. Makes it possible for growers to reproduce plants from cuttings with high percentages of successful results. Small size package, $1.00. Medium size, $2.00; 240 unit size, $7.00; 480 unit size, $13.00; 960 unit size, $24.00.

THE SUDBURY HOME GARDENER'S SOIL TEST KIT

This simple, practical, easy-to-use kit is your best insurance of gardening success. Made by the maker of professional field test kits used by nurserymen, growers and greenkeepers throughout the country. Tests for nitrogen, phosphorus, potash and acidity. It will make at least three separate tests for each element. No technical skill required. Results of tests are apparent immediately. The Sudbury Home Gardener's Soil Test Kit, complete with instructions and data on plant needs, $2.00.

Testing Fluid for Refill—Specify whether for nitrogen, phosphorus, potash, or acidity. 2 oz., 75c· oz., $1.50.

HOE. English Scuffle or Push. 6-inch, $1.25; 8-inch, $1.50. Without handle.

CLOTH FOR DAHLIA AND ASTER HOUSES

All materials except the cloth may be obtained from local building supply dealers. We supply instructions on request. This cloth is scientifically developed for best growing results.

Amateur houses are usually made with 6 foot walls, and top 9 or 12 feet wide. Our cloth is offered in 3, 6, 9 and 12 foot widths, and we cannot supply less than 3 yards of a width. Price in 3, 6, 9 or 12 foot widths, per square yard, 10c.

KNIVES

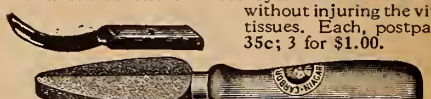
Budding. Aluminum handle. Each, $1.75; by mail, $1.80.

Budding and Prop. Two blades; white handle; brass caps. Each, $1.50; by mail, $1.55.

Propagating. "The Vaughan," best of all. Each, $1.50; by mail, $1.55.

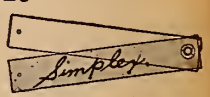
Pruning. Stag handle. Each, $2.00; by mail, $2.10.

Potato Knife. "The Humphrey." Will cut to one or more eyes without injuring the vital tissues. Each, postpaid, 35c; 3 for $1.00.



CARBORUNDUM BRAND. Home and garden sharpening stone. For sharpening knives, shears, edgers, etc. 10¼ inches long over all. Fitted with a durable wood handle finished in red. Each, 65c; by mail, 75c.

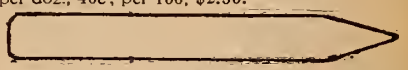
LABELS



LABELS. Zinc, Tree. Wired 3¾ inches long, ¾-inch wide. Price per doz., 25c; 100, $1.75.

Simplex, Shrubbery. Doz., 50c; 100, $3.25.

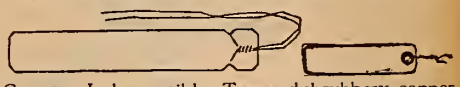
SIMPLEX Green Weather Proof Plant Labels. Price includes copper wires for attaching and steel stylus for marking. No. 31, size 3x½ inch, per doz., 40c; per 100, $2.50.



Wooden. For pots, painted.

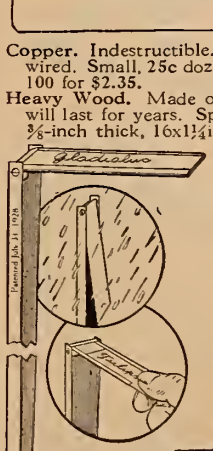
	100	1000		100	1000
4-inch....	$0.45	$2.10	6-inch ..	$0.55	$ 3.25
5-inch....	.50	2.75	12-inch ..	1.45	12.50

Tree, Copper Wired. 3½ in. 100, 55c; 1000, $3.25.



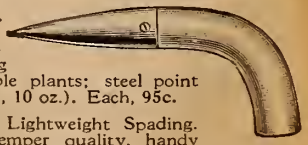
Copper. Indestructible. Tree and shrubbery, copper wired. Small, 25c doz.; 100, $1.75; large, 35c doz.; 100 for $2.35.

Heavy Wood. Made of cypress. For use outside, will last for years. Splendid for perennial plants. ⅜-inch thick, 16x1¼in. Doz., 65c; 100 for $4.00; 18x2 in., doz., 75c; 100 for $4.95.



PEERLESS PLANT STAKES. Non-rusting, made of copper, bearing galvanized metal, no acid painting or special ink necessary. The ordinary lead pencil is the very best thing to use for writing the names. No hunting for some special stake, merely take the first one you come to and change the card. This is very quickly and easily done. 12 in., doz. for $1.50; 18 in., doz., for $1.80. Postage extra.

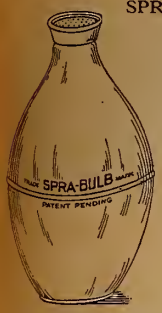
Plant Markers Oval Top. Made of heavy galvanized sheeting 9 inches long. Price, per doz., 70c; per 100, $3.95. Special black ink for marking labels, oz. bottle, 60c. Markers for Rock Gardens, 4 inch, galv., doz., 70c; 100, $3.95.



DIBBER. For transplanting vegetable plants; steel point (weight, 10 oz.). Each, 95c.

FORK. Lightweight Spading. True temper quality, handy for spading around shrubbery and perennials. Each, $1.50.

Tools and Requisites



SPRINKLERS, Scollay's Rubber.

Best sprinkler for plants, ferns and flowers, holds 10 fluid ounces. Large, $1.45. By mail, $1.50.

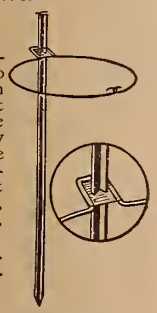
Scollay's

Spra-Bulb.

An indispensable household help used in spraying in and outside the home, ideal for moistening laundry and spraying powder on plants and animals. Each, 95c.

IDEAL ADJUSTABLE PLANT SUPPORT.

Has a unique self-locking adjustable feature causing the hoop to positively stay where put, yet it can be instantly adjusted to any height desired. The heavy 18 inch gauge galvanized stake will stand firmly in the ground. The hoop is of 8 gauge galvanized wire, 13 inches in diameter, and may be opened up to put around large plants. 3 ft., doz., $2.75; 4 ft., doz., $3.50; 5 ft., doz., $4.25.



TOMATO OR PEONY SUPPORTS—Made of heavy galvanized wire.

F.O.B. New York. Ea., 35c; doz., $3.00.
F. O. B. Chicago. Ea., 40c; doz., $3.25.

TIME SAVER PLANT SUPPORT

A long lived, low priced, completely adjustable support, all metal parts being galvanized. Java end is green. Can be adjusted as to height and size of loop almost instantly and is practically hidden by the foliage of the plant it supports.

	Per doz.	Per 100
30-inch	$0.95	$7.25
36-inch	1.15	9.00
48-inch	2.20	16.50
60-inch	2.75	21.00

MODEL EXTENSION CARNATION SUPPORTS

Bases or bottom circle made of No. 12 galvanized wire, top circle of No. 13 galvanized wire; diameter of top circle 6¾ inches, bottom circle 7½ inches; total height of support extended, 24 inches; shipping weight, two-ring supports, approximately 360 pounds per thousand; three-ring supports, approximately 410 pounds per thousand. Price, 2-ring supports, $8.00 per 100; 3-ring supports, $9.00 per 100. Write for price in large quantities.

Time Saver Plant Support

SPADES—Special D or long handle. Each, $1.75.

STAKES, WOODEN. Painted green.

Heavy Grade (for Dahlias)	Per doz.	Per 100
3 ft.	$1.65	$10.50
4 ft.	2.20	13.50
5 ft.	2.60	17.50
6 ft.	3.00	21.50

Light Grade (for smaller plants)

Per doz.	100		Per doz.	100
1½ ft. $0.40	$2.10	3½ ft.	$1.30	$ 8.50
2 ft. .60	3.50	4 ft.	1.60	10.00
2½ ft. .85	4.60	5 ft.	2.00	12.75
3 ft. 1.10	6.75		Per 100	1000

STAKES—Cane. 6 to 8 feet long.... $2.00 $ 9.75
STAKES—Cane. 9 to 11 feet long... 2.50 17.50
Prices on Cane Stakes F. O. B. Chicago.
Prices at New York 10 per cent higher.

STAKES—JAPANESE BAMBOO Painted Green.

100	1000		100	1000
1½ ft. $0.85	$4.00	3 ft.	$1.40	$ 7.50
2 ft. 1.00	5.00	3½ ft.	1.50	8.50
2½ ft. 1.20	6.00	4 ft.	1.65	10.00

Japanese Bamboo not painted, 6 ft. 2.00 14.00

STAKES—Galvanized Wire.

No. 9 Wire Doz.	100	No. 8 Wire Doz.	100
1½ ft. $0.30	$1.10	3½ ft. $0.55	$2.40
2 ft. .35	1.40	4 ft. .65	2.70
2½ ft. .40	1.75	5 ft. .80	3.20
3 ft. .45	1.95	6 ft. .90	3.75

Prices wire stakes subject to change without notice.

Made of imported leather processed to make it pliable as kid and washable. An ideal glove for men and women gardeners. Will outwear six cotton gloves. Sizes for women: "Small," "Medium," "Large"—for men: "Medium" and "Large." Price, 75c a pair, postpaid.

STAKES—HEAVY TONKIN Natural Color.

Heavy weight bamboo, entire stake same weight; do not taper. Ideal for roses, dahlias, young trees, etc. Will last a lifetime. F.O.B., N. Y. F.O.B. Chicago.

Length	Diameter	Doz.	100	Doz.	100
4 ft.	½ to ⅝ inch	$0.65	$2.95	$0.75	$3.45
4 ft.	¾ inch	.85	3.95	.95	4.45
5 ft.	⅝ to ¾ inch	1.10	4.25	1.15	5.25
6 ft.	⅝ to ¾ inch	1.25	4.95	1.45	5.75
8 ft.	⅝ to ¾ inch	1.40	5.75	1.60	6.50

SIEVES

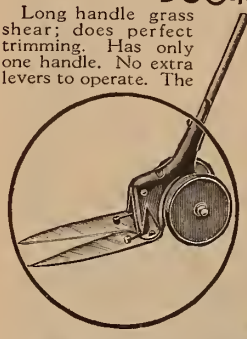
For sifting soil. 18 inches in diameter, all sizes mesh from ⅛ to ½ inch. Each, $2.50.

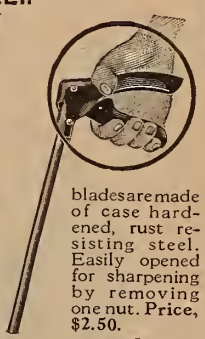
SYRINGES—Brass.

	Each
No. 0. Length 12½ in.; 15-16 in. in diam.	$2.95
No. D. 15½ in. long, 1½ in. in diam.	4.50
No. 5. Best for general greenhouse use	7.50
No. 11. 18 in. long, 1 stream, 2 sprays	6.50

DOO-KLIP

Long handle grass shear; does perfect trimming. Has only one handle. No extra levers to operate. The





blades are made of case hardened, rust resisting steel. Easily opened for sharpening by removing one nut. Price, $2.50.

Vaughan Doo-Klip Grass Shear. Each, $1.50. By mail, $1.60.

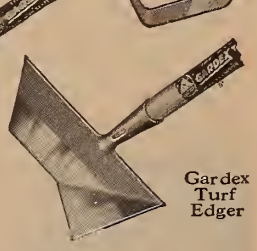
Doo-Klip

GARDEX TOOLS

GARDEX PULL HOE, No. 100. Weeds and cultivates in one operation five times faster than the old conventional hoe. 4 inches wide, each, $1.10; 5½ inches wide, 5 ft. handle, weight about 3 lbs., each, $1.25.

Gardex Pull Hoe

Gardex Culti Claw



Gardex Turf Edger

GARDEX CULTI CLAW, No. 180. The ideal tool with long handle for flower and rock gardens, weight about 3 lbs., 80c.

GARDEX TURF EDGER, No. 400. The greatest tool invented for edging lawns, borders and flower beds. Cuts turf vertically and horizontally in one operation by push or pull, weight about 4 lbs., each, $1.30.

TUBS—(Flower) Richmond.

These are made of best seasoned White Virginia Cedar, securely bound with welded wire hoops. Painted green with durable oil paint. Prices F. O. B. Chicago or New York. If handles are required, add 35c per tub. First figure following number of tub gives diameter in inches at top of tub; second figure, depth in inches.

No.	Each	Four	No.	Each	Four
1.. 6x 6	$0.70	$2.60	9..14x13	$1.80	$6.80
3.. 8x 8	.75	2.80	11..16x15	2.20	8.40
5..10x 9	.95	3.60	13..18x17	3.00	11.60
7..12x11	1.40	5.40	14..19x18	3.65	14.00

Carborundum Brand Home and Garden Stone. It will sharpen lawn mowers, knives, hoes, axes, scythes, grass hooks and many other edge tools.

No. 198, length over all, 9⅝ inches. Each, 40c; postpaid, 50c.

SHEARS

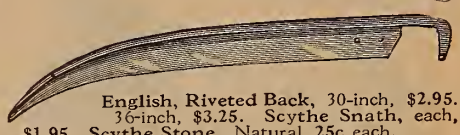
Border—English Imported. Long handle for trimming the edges of borders and walks. 9-inch, $5.00.

Border — American made Disston quality, 9-inch, $4.25.

Write for leaflets and prices on Motor Mowers.

GRASS HOOKS, SCYTHES

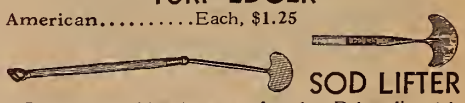
English. Riveted back. Each.....85c
Domestic. Best quality.....75c



English, Riveted Back, 30-inch, $2.95. 36-inch, $3.25. **Scythe Snath,** each, $1.95. **Scythe Stone.** Natural, 25c each.

TURF EDGER

American.....Each, $1.25

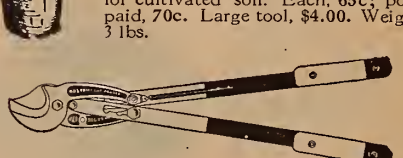


SOD LIFTER

Polished steel blade, strap ferrule. D handle with ebonized wood grip. Length of handle, 2¾ feet. Length over all, 4 feet. Price, each, $2.25.

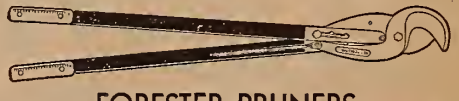
Hole-in-One Planting Tools

Make a hole in one operation. Simply cut the tool into the soil, remove it with a twisting motion, and with the tool comes a plug of soil, leaving a perfectly flat-bottomed hole. Small hand tool for cultivated soil. Each, 65c; postpaid, 70c. Large tool, $4.00. Weight, 3 lbs.



THE PORTER POINTCUT PRUNER

Light in weight, 2½ lbs., 20 inches long. Easy to use in close places. Price, $5.00.



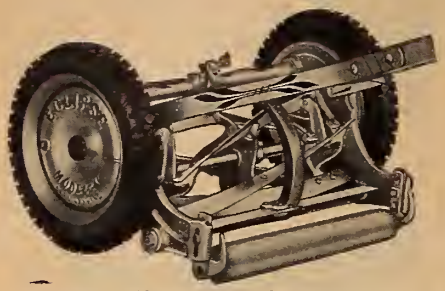
FORESTER PRUNERS

No. 1—20 inches long, designed for the fruit grower. Each, $5.00. Weight, 2 lbs. 10 ozs.

No. 2—27 inches long, has a capacity up to 1½ inch. In green wood. Price, $6.00. Weight, 4 lbs. 10 ozs

No. 3—34 inches long, capable of cutting up to its rated capacity in any so-called hardwood, such as oak, maple and beech. Weight, 7 lbs. 4 oz. Each, $7.00.

THE FAMOUS ECLIPSE LAWN MOWERS

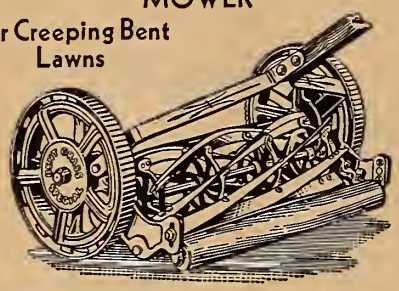


Automatic self-sharpening, finger tip adjusting, saves yearly sharpening and adjusting expense. The first cost of an Eclipse is the last cost. Precision methods of manufacture assure long service. **Specifications: Wheels,** 10-inch closed type. **Bearings,** patented super easy running wear-proof precision adjustable bearings. Run in oil wells to provide continuous lubrication. **Blades,** heat treated tool steel, precision ground by latest type automatic grinding machines.

	16 in.	18 in.	20 in.
Model A—			
Pneumatic Tires	$26.50	$28.00	$29.50
Standard Wheels	23.50	25.00	26.50
Model L—			
Pneumatic Tires	19.50	21.00	22.50
Semi-pneumatic Tires	18.00	19.50	20.50
Standard Wheels	16.75	18.25	19.25
Model M—			
Pneumatic Tires	18.00	19.50	20.50
Semi-pneumatic Tires	16.75	18.25	19.25
Standard Wheels	15.25	16.75	17.75

CRICKET SPECIAL BALL BEARING MOWER

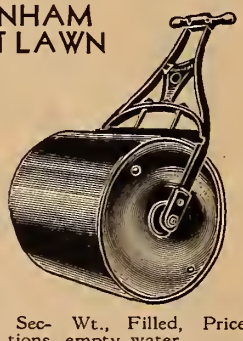
For Creeping Bent Lawns



Equipped with demountable rubber tires.

Self-Adjusting Ball Bearings in revolving cylinder guaranteed for the life of the mower. Drive wheels 10½ inches in diameter, open type. Geared on both sides with reciprocating pawl ratchets. Cutter bar special design raised edge tool, steel hardened and tempered in oil. Height of cut, ⅜-inch to 1¼-inch. Seven blades, high speed tool steel, hardened and tempered self-sharpening. Sizes: 16-inch, **$13.50**; 18-inch, **$14.85.**

GENUINE DUNHAM WATER-WEIGHT LAWN ROLLERS



Water Ballast Lawn Rollers, steel handles, roller bearings, acetylene welded drums with anti-turf-tearing tires, non-rust shut water entrance. The most efficient and easiest running roller made. Weighs 50% more when filled with sand. Water is more convenient.

No.	Diam., in.	Length, in.	Sections	Wt., empty	Filled, water	Price
WB5	18	24	1	85	265	$13.50
WB7	24	24	1	110	420	15.95
WB9	24	32	1	130	565	18.95

Dunham rollers with plain bearings, slightly lighter than the roller-bearing rollers.

No.	Diam., in.	Length, in.	Sections	Wt., empty	Filled, water	Price
WB2	14	24	1	68	175	$ 9.95
WB4	18	24	1	82	265	11.50

WB1 for miniature golf courses; diam., 14 in.; width, 15 in.; wt. empty, 45 lbs.; filled with water, 115 lbs. **Price, $8.25.**

Write us for price and leaflet on Dunham Water-weight Horse and Tractor Rollers.

THE GENUINE PHILADELPHIA MOWERS

QUALITY LEADERS SINCE 1869

Present special mowers for the estate, **Yard Man, Home Man, Janitor,** chrome steel bed knife held by screws, extra heavy pinions, double riveted spreaders, perfect adjustment.

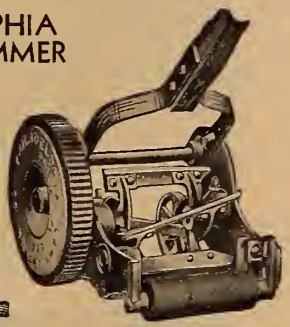
Style K. For estates and larger lawns. 10 inch roller bearing 5 blade, perfect in every detail. 16 inch cut, **$15.95**; 18 inch cut, **$16.95**; 20 inch cut, **$17.95.**

Perfection Grass Collectors. Have a galvanized iron bottom and never-rip cloth connections. Always be careful to state size and style of Mower when ordering.

No.		Each
301	Adjustable to mowers 12 to 16 inches	$1.45
306	Adjustable to mowers 16 to 20 inches	1.75

PHILADELPHIA LAWN TRIMMER

Does what Lawn Mower leaves undone. Having one side without wheel, it can run close to walls and trees, cutting grass clean and quick. Can also be used for trimming edges of walks, etc. **Price, each, $7.95, complete.**



GREENLEE EARTH AUGER

A handy auger for drilling holes to feed plant food to trees and shrubs. 2-inch size with 6-inch twist; length 40 inches overall. Each, **$3.50.**

Berghman Lawn Mower Sharpener. A high-grade, durable lawn mower sharpener, easy to use and adjustable to all types of machines. No danger of making low spots in the blades. **Price, $1.00.**

LAWN EDGER. No. 2 Planet Jr. Grass Edger. A handy tool to keep your lawn edges well trimmed. **Price, $2.00.**

ORNAMENTAL LAWN FANS

Most popular and inexpensive. Are most substantially built and painted with good white paint.

No. 106—Height 69 in. Spread 45 in. Price each, $1.20.

No. 108—Height 94 in. Spread 60 in. Price each, $1.60.

(No. 106 may be shipped parcel post.)

FOLDING TRELLIS OR FENCE ITEMS

These three numbers are suitable for mounting on porches, also used extensively for fence—and may be extended to produce a fence any height from 10 in. to 60 in. Securely fastened at every intersection and painted white with high grade linseed oil paint. Popular for parkings and flower beds.

No. 1—Ht., folded, 34 in. Extends to 8 ft. . Ea., $1.30
No. 2—Ht., folded, 46 in. Extends to 12 ft. . Ea., 1.75
No. 3—Ht., folded, 70 in. Extends to 16 ft. . Ea., 2.60

"SAVO" SELF-WATERING FLOWER BOXES

Savo Self-Watering Flower Boxes—one of the best of this type of flower boxes. Made of the best grade of galvanized steel with neat round corners and a full roll rim—beautifully finished in aluminum or green.

	Height	Width	Length	Price
Model A,	8 inches,	8 inches,	23 inches,	$3.50
Model B,	8 inches,	9½ inches,	29 inches,	4.00
Model C,	8 inches,	9½ inches,	35 inches,	4.50
Model D,	8 inches,	9½ inches,	41 inches,	5.00
Model E,	8 inches,	12 inches,	12 inches,	3.00
Model F,	12 inches,	12 inches,	12 inches,	3.50

"SUCCESS" PORCH BOXES (Model D)

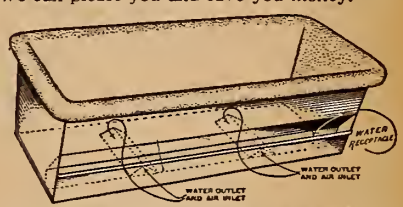
Made on the same principle, but they are wider and deeper than window boxes and of heavier material. They insure thrifty growth of flowers and vines during hottest summer months. Never drip, like old wooden boxes, finished in an attractive shade of green.

8-in. deep, 11-in. wide.		8-in. deep, 12-in. wide.	
No.	Length Price	No.	Length Price
23	42-in. $5.35	25	60-in. $7.25
24	48-in. 5.95		

We supply **all plants** for Window and Porch Boxes, Tubs, Urns, etc.

Specially prepared potting mold that will give best results. Peck, 40c; bushel, **$1.25**; barrel, **$3.00.**

Let us advise you in your selection of plants. We can please you and save you money.



The "Success" Window Boxes are substantially constructed of galvanized sheet steel, lock seamed and soldered watertight. A water pocket extends the full length of boxes, from which tubes lead into the box itself. This pocket with the tubes serve the following purposes, i.e.: Provides for watering the roots from below, allowing them to take up moisture as required; provides air circulation and ventilation, keeping the soil sweet and healthy; provides a perfect drainage should the plants be excessively watered by heavy rains or other causes. In fact, it serves as an accurate gauge as to the condition of the soil at all times. The boxes are finished in an attractive shade of green enamel and will prove an addition to any home, hotel or office building. Since they are watertight, they are especially adapted for inside use, serving to beautify the exterior during the summer and adding a touch of brightness during the winter.

Outside dimensions of Window Boxes:

Length	Width	Depth	Price
24-in.	8½-in.	6¼-in.	$1.45
30-in.	8½-in.	6¼-in.	1.85
36-in.	8½-in.	6¼-in.	2.65
42-in.	8½-in.	6¼-in.	3.25

SPRALITE SPRINKLER

A splendid sprayer for in- or outdoor plants, rose bushes, etc. Throws fine spray under or over foliage of any plant or shrub, removing dust and insects. Each, 75c; by mail, 85c.

BASKETS—Wire, Hanging. Each, 6-in., 20c; 8-in., 25c; 10-in., 30c; 12-in., 35c; 41-in., 45c; 16-in., 65c.

Quality Garden Tools

EXPERIENCED gardeners know that the long life and dependable service of a tool of good quality makes it far less expensive in the long run than inferior tools, which are unsatisfactory in use, cause delays when they break, and must often be replaced.

HAND PRUNING SHEARS

Illustrated to the right.

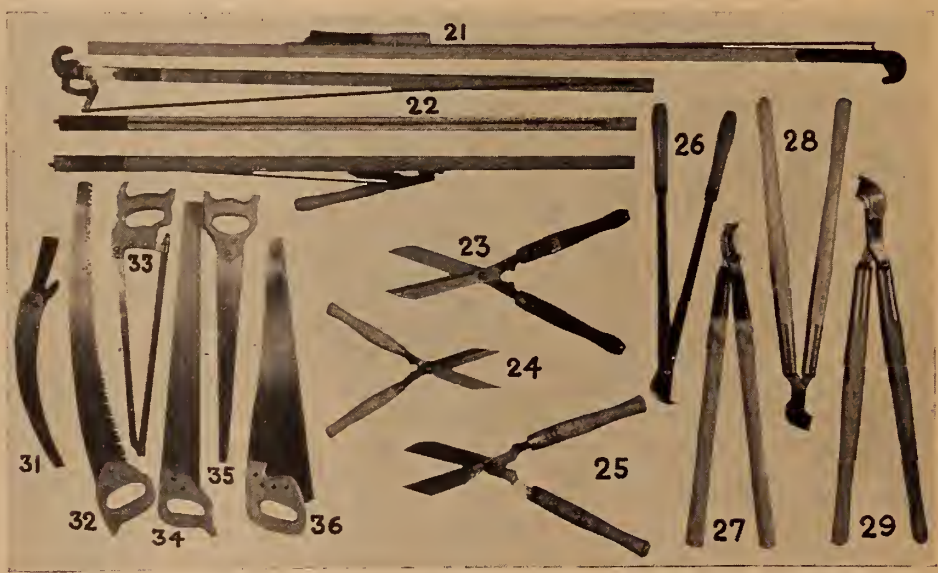
No. 1—**Ladies' 6-Inch Nickel Plated,** each, $1.50.
No. 2—**Henckel Steel,** imported, full polished, 7½-inch with ratchet, each, $3.75.
No. 3—Same as No. 2, 8½-inch, each, $4.25.
No. 4—Same as No. 2, 9½-inch, each, $4.75.
No. 5—**California Pattern, Henkel Steel,** imported, with brass spring and ratchet, 8½-inch, each, $4.50.
No. 6—**American Made,** full polished, 9-inch with ratchet, each, $1.75.
No. 7—**American Made,** full polished, brass spring, 9-inch with ratchet, each, $1.95.

CUT FLOWER SHEARS

No. 8—**Flower Gatherer,** holds cut stem, large size, each, 75c.
No. 9—**Flower Gatherer,** holds cut stem, nickel plated, each, $2.00.
No. 10—**Vine Scissors,** each, $1.50. No. 11—**Snap Cut Pruner,** each, $1.50.
No. 12—**Tin or Wire Snips,** ea., $1.50. No. 13—**Flower or Wire Scissors,** $1.50.
No. 14—**Dental Snips,** each, $1.50.

TREE AND HEDGE PRUNERS

No. 21—**Waters Tree Pruner,** 6-foot pole, each, $2.25.
No. 21A—Same as No. 21, 8-foot pole, each, $2.50.
No. 21B—Same as No. 21, 10-foot pole, each, $2.75.
No. 21C—Same as No. 21, 12-foot pole, each, $2.95.
No. 22—**Bartlett Tree Pruner,** 12 foot, three 4-foot poles jointed, complete, each, $7.50.
No. 23—**American Made Hedge Shears** with pruning notch, best quality, 8-inch, each, $1.50.
No. 23A—Same as No. 23, 9-inch, each, $1.65.
No. 23B—Same as No. 23, 10-inch, each, $1.85.
No. 24—**Ladies' Hedge Shears,** each, $1.85.
No. 25—**Imported English Hedge Shears** with pruning notch, 8-inch, each, $2.85.
No. 25A—Same as No. 25, 9-inch, each, $3.00.
No. 25B—Same as No. 25, 10-inch, each, $3.25.
No. 26—**Disston All Steel Pruner,** wood handles, 26 inches over all, each, $3.50.
No. 27—**Double Cut Brush Pruner,** 30-inch, $3.00.
No. 28—**Buckeye Pruner,** 20-inch handles, $2.00.
No. 28A—Same as No. 28, 26-inch handles, $2.50.
No. 29—**Clyde Draw Cut Pruner,** 24-inch handles, each, $3.85.

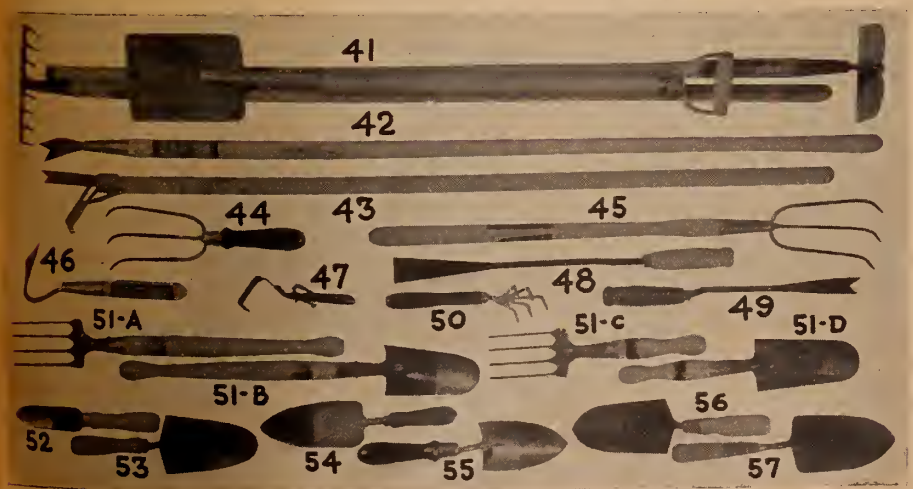


SAWS

No. 31—**California Pole Pruner,** each, $2.50.
No. 32—**Utility Speed Pruner,** length 26 in., $3.75.
No. 33—**California Hand Pruner,** adjustable blade, each, $2.25.
No. 34—**Forester Pruner,** makes heavy pruning easy, 26 inch blade, each, $2.25.
No. 35—**Double Pruning Saw,** 16 inch blade. $1.35.
No. 35A— " " " 18 " " $1.45.
No. 35B— " " " 20 " " $1.60.
No. 36—**Tuttle Tooth Pruner,** length 20 in., $2.95.

PLANTING AND CULTIVATING TOOLS

No. 41—**Youths' and Ladies' Garden Set** complete, rake, spade and hoe, $1.75.
No. 42—**Long Handled Weeder,** each, $1.00.
No. 43—**Wonder Weeder,** each, 85c.
No. 44—**Eureka Weeder,** short handle, each, 60c.
No. 45—**Eureka Weeder,** long handle, each, 70c.
No. 46—**Cultivator,** each, 50c.
No. 47—**Lang's Weeder,** each, 25c.
No. 48—**Asparagus Knife or Dandelion Digger,** straight edge, each, 45c.
No. 49—**Asparagus Knife or Dandelion Digger,** notched edge, each, 45c.
No. 50—**Excelsior Weeder,** each, 15c.
No. 51A—**Imported English Fork,** maple handle, each, 95c.



No. 51B—**Imported English Trowel,** maple handle, each, 95c.
No. 51C—**Imported English Fork,** maple handle, each, 75c.
No. 51D—**Imported English Trowel,** maple handle, each, 85c.
No. 52—**Transplanting Trowel,** each, 25c.
No. 53—**Polished Garden Trowel,** each, 35c.
No. 54—**Imported Steel Trowel,** wood handle, each, 75c.
No. 55—**Ladies' True Temper Trowel,** each, 75c.
No. 56—**All Steel One-Piece Trowel** with wood handle, each, 90c.
No. 57—**Forged Steel Shank Trowel,** each, 95c.

THERMOMETERS

Standard

Hotbed

THERMOMETERS. **Tin Case.** 8-in. 50c.
Cabinet. Wood case, 75c; 3 for $2.00.
Hotbed. Brass point, wooden frame, $3.00.
Self-Registering. With magnet to set it, 8-inch, each, $6.50; registers highest and lowest temperature.
Minimum. For registering cold, $2.75.
Tin Case. Standard grade, tested. 8-inch, each, $1.50.
White Porcelain Enameled with red spirit tube, easy to read. Each, 60c.
Thermometers shipped by parcel post at purchaser's risk only.

VASE. **Cemetery.** Earthen, green, 10-inch, sharp point, each, 45c; 3 for $1.25. Shipped by parcel post at purchaser's risk only.

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Presenting for Our Sixty-second Year

L. H. VAUGHAN, PRES.
CABLE ADDRESS
VAUGHAN, CHICAGO
CAROTIDA, NEW YORK

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GREENHOUSES AND NURSERIES,
WESTERN SPRINGS, ILL.

GENERAL OFFICES AND WAREHOUSES
601-609 WEST JACKSON BLVD., CHICAGO

CHICAGO LOOP STORE
10-12 W. RANDOLPH ST

How to Order

How to Order: Please follow these instructions, and fill out order sheets carefully.

Seed and Bulb Orders: Write quantities distinctly in the column provided and attach prices.

Plant and Tree Orders: State quantity, size or age of each variety, with prices attached.

C. O. D. Orders: Owing to extra collection cost we do not fill C. O. D. orders for less than $5.00, and all C. O. D. orders must be accompanied by 25% of the amount in cash.

We do not ship Trees, Plants, or any other perishable stocks C. O. D.

Remittance: Please remit by money order or certified check. **Do not send currency unless registered.**

Mistakes: If there is any error in filling your order, write us at once with correct copy of order, for quick investigation.

Express Shipments: General orders for garden seeds with heavy weights of corn, beans, fertilizers, etc., should go by express, also all shipments containing breakables. Orders over 5 lbs. going to 5th Zone travel cheaper by express than parcel post.

All **Trees, Shrubs and Hardy Plants** are shipped as soon as weather permits. Tender plants from Greenhouses for bedding, etc., are shipped usually after May 15th. (Southern shipments any time after February.) State plainly date and manner of shipping you wish.

Parcel Post: **Fourth Class Mail Matter,** which includes seeds, plants, bulbs, roots, books, tools, insecticides, odorless fertilizers and requisites may be forwarded by **domestic parcel post** within the United States.

Delivery Outside the Chicago Area.

All flower seeds prepaid.

All vegetable seeds up to 2 lbs. prepaid. Over 2 lbs., by express or freight at buyer's expense.

All bulbs and Dahlias, bought at single and dozen prices, are prepaid to fifth zone from Chicago or New York. Larger quantities by express at buyer's expense.

All Water Lilies by mail or express at buyer's expense.

All Roses, Trees, Shrubs, Perennial and Annual Plants are shipped from Western Springs at buyer's expense.

All tools and supplies, including insecticides and fertilizers (except as specified on page 105), are F. O. B. Chicago or New York and shipped at buyer's expense.

All lawn grass seed is prepaid to any part of the U. S. A.

☛These special Free Deliveries do not include C. O. D. shipments, which travel at buyer's expense.

Our Responsibility: It is so manifestly impossible for a seller of any perishable article to be responsible for what may happen to it after it leaves his hands, especially for seeds, which are planted in the ground under varying conditions of soil and climate, that we, in common with all American seed houses, disclaim responsibility as to the crop which may be raised from seeds which we sell.

We wish it understood that all our stocks are sold under the following conditions:

VAUGHAN'S SEED STORE, Inc., gives no warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs or plants it sells, and will not be responsible for the crop; and it gives no warranty, express or implied, as to fertilizers, other than in respect to analyses or other data expressly and lawfully required of the seller by statutes.

Parcel Post Rates By Zones

Vaughan's Seed Store at Chicago and New York covers the United States in a remarkable way to secure cheap postal rates for its many mail order customers.

All parcels under 8 ounces are prepaid everywhere in the United States FREE. BUT seeds ordered at peck, bushel or five-pound rates, or bought in even larger quantities at cheaper prices, should go by freight, when possible, at buyer's expense.

To liberal orders from distant points WE ADD FREE, SPECIAL NEW VARIETIES of value to partly cover postage or express charges.

DOMESTIC PARCEL POST RATES On Seeds, Plants, Bulbs, Roots, Books, Tools, etc. within the U. S. and Possessions.	First pound or fraction	Each additional pound or fraction
Local—Chicago or New York City	7c	1c (2 lbs.)
First and Second Zone within 150 miles of either	8c	1.1c
Third Zone within 150 to 300 miles	9c	2.9c
Fourth Zone within 300 to 600 miles	10c	3.5c
Fifth Zone within 600 to 1000 miles	11c	5.3c
Sixth Zone within 1000 to 1400 miles	12c	7c
Seventh Zone within 1400 to 1800 miles	14c	9c
Eighth Zone all over 1800 miles	15c	11c
Canada	14c	14c

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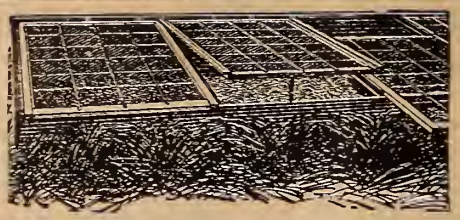
HOTBED SASH



HOTBED SASH. 3x6 feet, 1¾ inches thick, made from clear grade genuine tidewater gulf Red Cypress, for three rows 10 inches wide glass, lapped, nailed together with white-leaded joints, open, unglazed, each **$2.50**; 3 for **$7.25**; doz., **$27.00.—Glazed**, painted one coat, 10x14 inches double strength flat drawn greenhouse glass, each, **$5.35**; 3 for **$14.95**; doz., **$57.00.**

HEATING CABLE

Electric cable for heating hotbed. New type Okobestos, corrosion proof, nickel chromium wire, felted asbestos insulation, lead sheath. Sixty feet heats 6x6 ft. bed. Price F. O. B. Chicago, **$6.00.** Extra cable, per ft., 10c. Complete installation instructions furnished.—**Thermostat.** General electric soil heating, to control cable heat; 110 or 230 volt, A. C. Will handle up to ten beds. F. O. B. Chicago, **$11.00.**

SEED FLATS. Made from genuine Red Cypress, knocked down, bundled in bundles of 20 flats each, with nails.

	Inside Dimensions	Per Bundle of 10
No. 2.	22⅜x15x2¾ inches	$2.90
No. 1.	20 x14x2¾ inches	2.60
No. 2-A.	22⅜x15x3¾ inches	3.40
No. 1-A.	20 x15x3¾ inches	2.90

In less than bundle, **3c** per flat additional.

CEL-O-GLASS

Will take the place of glass in hotbed sash, garage and barn windows, storm doors, and for many other purposes, at a great saving. Unbreakable and very light in weight. No glazing. Hammer and tacks are the only tools you need. Put up in rolls 3 feet wide up to 100 feet long. Price per square yard, **$1.35**; 25 ft. roll 3 ft. wide, **$9.75**; 100 ft. roll, **$35.00.**

TROJAN ROLLER TYPE GLASS CUTTER. Each, **25c.**

GLAZING POINTS. Vaughan's Perfection. No rights or lefts; No. 2, small, for single thick glass; No. 2½, double thick, for greenhouses and skylights. Price per box of 1 lb., **70c**; by mail, **80c. Siebert's Improved.** Easy to drive, and will not wedge or crack glass, 2 sizes, ⅝ and ⅞-inch long. Price per lb., **70c**; by mail, **80c.**

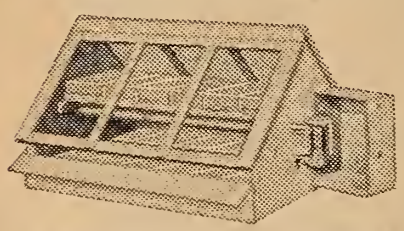
HOTBED MATS AND VIO-RAY WINDOW FABRIC

Milo Waterproof Hotbed Mats. A combination of heavyweight burlap felt and absorbent pulp, cemented together with a specially prepared waterproof compound absolutely impervious to rain, sleet and snow; proof against frost; repellent to rats and mice. Easy to handle, wears for years.

Size, 40x78 inches. Each, **$2.00**; doz., **$21.00.**
Size, 78x80 inches. Each, **$3.85**; doz., **$39.00.**
Continuous lengths 40 inches wide, per foot, **32c.**
Continuous lengths 78 inches wide, per foot, **64c.**

WINDOW FABRIC VIO-RAY. A strong fabric treated by a patented process to make it transparent, weatherproof and waterproof. It costs much less than glass and for many purposes is superior. Anyone can put it up. It comes in rolls 36 inches wide and any length. Per yd., **28c**; 10 yd. roll, **$2.60**; 20 yds., **$4.75.**

KEENE PORTABLE PLANT STARTERS

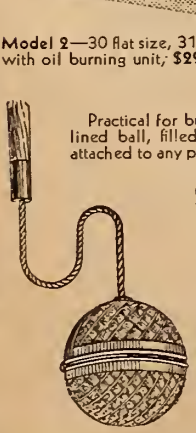


Two popular sizes, have controlled hot water heat with a choice of either oil lamp or electric unit, a thermostatic control assures uniform and economical heat with slight attention even in freezing weather.

Model 1—18 flat size, 31x41 inches, 26 inches high, shipping weight 85 lbs. Price with oil burning unit **$23.22. Model 10,** same size with electric unit, **$25.14.**

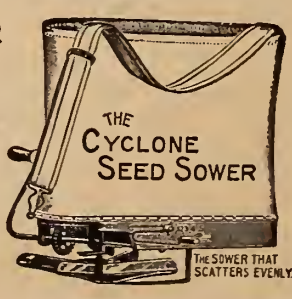
Model 2—30 flat size, 31x67 inches, 26 inches high, shipping weight 125 lbs. Price with oil burning unit, **$29.04.** Same size with electric unit, **$33.09.**

ASBESTOS TORCH



Practical for burning caterpillars, worms and other tree pests. It is a black lined ball, filled with asbestos fibre, so constructed that it can easily be attached to any pole. Dip the torch in kerosene and light. Each, 50c.

SEED SOWER

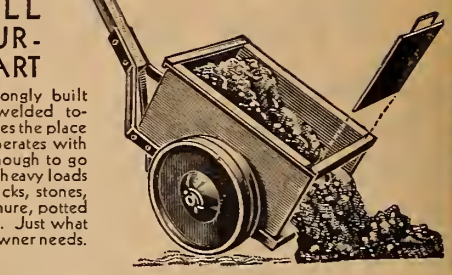


Cyclone. (New Improved Model.) An accurate portable seeder, for all broadcast sowing or fertilizing. Fits comfortably over shoulder; provided with automatic adjustment for stopping flow of contents when required. A great time and labor saver. Each, **$2.75.**

WHEELBARROW

Deluxe Hande Special Garden Wheelbarrow. The best low priced garden barrow with pneumatic tire, size of bed 27x18x14 inches. Wheel, 10x2¾ inch pneumatic cord ball bearing type. Weight, 40 lbs. Each, **$9.25.**

MASTERS ALL STEEL ALL PURPOSE DUMP CART



Handy little wagon strongly built with heavy steel frame welded together. Lasts a lifetime. Takes the place of a wheelbarrow, but operates with greatest ease. Narrow enough to go through small door. Hauls heavy loads of earth, sand, gravel, bricks, stones, coal, ashes, vegetables, manure, potted plants, sods, shrubbery, etc. Just what every gardener and home owner needs. Price, each, **$9.75.**

NEW HANDY SEEDER

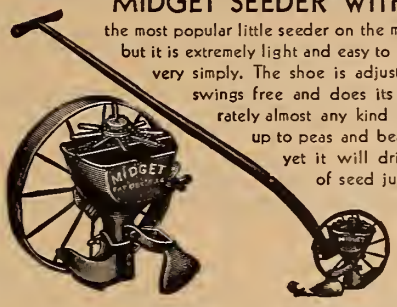
This little handy seeder will sow seeds up to size of sweet peas, scatters seed individually, prevents crowding and choking of seedlings, eliminates guess work because you can see each seed drop, no matter how fine. Saves time because you can sow seeds twice as fast. Price, each, **50c,** postpaid.

SOWRITE SEEDS SOWER MODEL B

SOWS SEEDS AT A TOUCH

SOWRITE Model 1923. Made of copper, nickel plated, for all seeds up to size of sweet peas; scatters seed individually; prevents crowding and choking of seedlings; eliminates guess work because you can see each seed drop no matter how fine; saves time because you can sow seeds twice as fast. Price, **50c,** postpaid.

MIDGET SEEDER WITH HANDLE



the most popular little seeder on the market. It is all metal construction, but it is extremely light and easy to lift about or to empty. It operates very simply. The shoe is adjustable for any depth, the coverer swings free and does its work nicely; will handle accurately almost any kind of garden seed from the smallest up to peas and beans. The hopper holds one pint, yet it will drill out clean a five-cent package of seed just as well as a hopper full. It is equipped with a 4½-foot handle. Full directions attached to every Seeder.

Price, $4.85

BASKET-MAKING MATERIALS

On all following Basketry materials, add postage to your order if to go by parcel post.

Raffia Fibre for Baskets, Etc.

The Raffia which we import is the finest grade to be obtained. Besides the natural shade, we have it in 12 different colors: dark red, Irish-green, olive-green, pea-green, navy-blue, seal-brown, orange, black, old gold, pink, purple, and bright red.

	Bunch	Lb.	5 lb. Lots, per lb.
Natural, Best Grade, about 2 oz	$0.15	$0.40	$0.30
Colored, about 1 oz	.15	.80	.75
Needles, for Raffia work, per package			.15

Basket Bottoms

Veneered Basket Bottoms for Reed weaving. Made exceptionally well of 3 and 5-ply panels. Well sanded and holes properly bored to fit uprights.

	Each	Doz.		Each	Doz.
3-inch Round	$0.06	$0.65	8x14-inch Oval	$0.32	$3.70
4-inch Round	.08	.90	10x16-inch Oval	.38	4.40
5-inch Round	.10	1.10	12x20-inch Oval	.60	6.95
6-inch Round	.12	1.35	3-inch Square	.06	.65
8-inch Round	.17	1.95	5-inch Square	.10	1.10
10-inch Round	.25	2.85	6-inch Square	.12	1.35
12-inch Round	.30	3.40	8-inch Square	.17	1.95
3x6-inch Oval	.12	1.35	10-inch Square	.25	2.85
4x8-inch Oval	.18	2.05	12-inch Square	.30	3.40
6x10-inch Oval	.25	2.85			

Reeds White Prime the Best Quality

Reed is found mainly in China and the Philippine Islands. Nos. 1 to 7 are the common sizes, 6 and 7 being used for the coarser work.

All numbers below, per bunch, 15c.

	5-lb. Lots ½-lb.	5-lb. Lots Lb.	Per Lb.		5-lb. Lots ½-lb	5-lb. Lots Lb	Per Lb.
No. 1	$0.50	$0.90	$0.85	No. 6	$0.30	$0.55	$0.50
No. 2	.45	.85	.80	No. 7	.28	.50	.48
No. 3	.40	.75	.70	Flat Reed, ⅜-inch	.38	.70	.65
No. 4	.35	.65	.60	Split Reed, No. 6	.38	.70	.65
No. 5	.33	.60	.55				

Six Everblooming Hybrid Tea ROSES

$3.75

GREAT improvements are being made in roses. If you have not tried the newer ones, their vigor, resistance to adverse conditions and productiveness will surprise you. All the varieties in this offer are of the new type, some are the very latest to make their debuts, others have been out for a few seasons, but are still unsurpassed in their color. Plant dormant plants as early as you can, and if you must plant late, use our hardened pot plants, ready to ship in bud, May 1.

6 Hybrid Tea Rose Plants 2 YEAR DORMANT, Our Selection (Value $5.00). Prepaid 300 Miles $3.75

6 Hybrid Tea Rose 2 YEAR POT PLANTS, Our Selection (Value $5.80). By Express Collect - $4.85

12 Hybrid Tea Roses, 2 YEAR DORMANT, as listed (Value $10.00). Prepaid 300 Miles - - $6.50

12 Hybrid Tea Roses, 2 YEAR POT PLANTS, as listed (Value $11.90). By Express Collect - - $9.00

Varieties Included in Above Offers:

AMI QUINARD. A really dark red rose that is unsurpassed in its color class. Blackish buds open to semi-double flowers of velvety crimson with a soft black luster. It is a rose you will like better each year for its rich fragrance, vigorous growth and free blooming habits. Dormant plants, 90c; pot plants, $1.10.

DAME EDITH HELEN. Though there are many fine pink roses, this one remains a leader. Blooms are of magnificent size and substance on bushes of vigorous upright growth. It is extremely double and high centered with broad petals that curl back luxuriously. Queen of the show at the American Rose Society Convention in 1937. Dormant plants, 75c; pot plants, 90c.

ETOILE DE HOLLANDE. A brilliant dark red rose of magnificent size and perfect form. Vigorous grower; heavy bloomer; flowers deliciously fragrant and beautiful in all stages of development. Dormant plants, 85c; pot plants, 90c.

GOLDEN DAWN. Noted for its quantity of bloom and considered the finest light yellow garden rose. Buds lemon yellow, splashed with carmine, open to great big fragrant flowers of pale straw yellow. Bushy, vigorous grower, bronzy green foliage. Dormant plants, 85c; pot plants, $1.00.

JOANNA HILL. One of our most popular roses and the best of its color. Rich cream and ivory with a yellow-orange heart. A long-lasting cut flower of fine form, whether in graceful bud or full blown flower. Dormant plants, 85c; pot plants, $1.00.

LEONARD BARRON. Rosa nutkana, Wild Rose of Alaska, helped produce this forerunner of a new strain of hardy roses. Its immense blooms, over 5 inches across, are very full and probably the largest of any everblooming rose. They are a lovely shade of salmon-pink with an amber glow. Very vigorous, bushy growth. Dormant plants, 90c; pot plants, $1.10.

McGREDY'S SCARLET. A rose with the McGredy name is always a top-notcher and this one is no exception. Its perfectly formed flowers of vivid rose-red come on long stems and are excellent for cutting. Dormant plants, 85c; pot plants, $1.00.

MME. JULES BOUCHE. Long, pointed, shapely buds, excellent for cutting, opening into superb white flowers, slightly shaded at times with blush pink; fragrant. The best white rose for quantity of bloom. Dormant plants, 75c; pot plants, 90c.

MRS. G. A. VAN ROSSEM. A novelty of vivid coloring that is not found in any other variety. The general effect is intense orange-apricot and gold passing to bronze. The flowers are deliciously perfumed. Dormant plants, 75c; pot plants, 90c.

MRS. SAM McGREDY. Exceptionally good all-purpose variety. Well-shaped blooms of coppery scarlet-orange, outside of petals heavily flushed with red. Beautiful plants, bronzy foliage and spreading habit. Dormant plants, 85c; pot plants, $1.00.

MRS. PIERRE S. DU PONT. One of the most continuously blooming roses grown and winner of more medals than any other outdoor rose. Long pointed, reddish gold buds opening into exquisitely formed flowers of dark golden yellow that holds well. Compact bushes with glossy, healthy foliage. Dormant plants, 85c; pot plants, $1.00.

PRESIDENT HERBERT HOOVER. For a vigorous rose producing fine large flowers on long stems, this variety is unexcelled. Its deep copper red buds open slowly to a wonderful blend which can only be described as multi-colored, with a dominance of cerise-pink and rich cream veined with scarlet. Superb buds; large flowers, lasting well; long stems—in fact every detail of this excellent rose adds to the beauty that has made it so popular. Dormant plants, 85c; pot plants, $1.00.

After April 15th it may be necessary to change this collection. See Pages 92, 93 for Complete List of Roses, including New Patented Varieties.

Eight Early Flowering Double Chrysanthemums . . . $1.90

Prepaid 300 miles. Catalog Value, $2.40.

These eight varieties have been chosen from extensive trials conducted in our grounds at Western Springs, Ill., as the hardiest, earliest, most free-flowering varieties for that section. Beginning to blossom in the early autumn, they continue until the freeze-up, giving a final glorious display of color in your garden.

AMELIA. Also called Pink Cushion and Azalea-like mum. Very dwarf type. Medium size double light pink blooms.

FLASHLIGHT. 1934 Introduction. One of the first to bloom. Large mahogany brown aster-like blooms.

GRANNIE SCOVILL. 1934 Introduction. Very large fluffy flowers of warm coral-bronze.

MARISA. 1935 Introduction. Dwarf orange bronze. Single, large flowers.

RAPTURE. Outstanding large double terra-cotta, shaded carmine, orange and bronze.

SEPTEMBER QUEEN. 1934 Introduction. Semi-dwarf growth. Fluffy double white flowers borne early and profusely.

SUNKIST. Dwarf growth. Medium size bright orange flowers.

WOLVERINE. One of the earliest. Large full double lemon yellow blooms.

Any of Above 30c Each or Complete Collection of 8 Plants, $1.90 Postpaid 300 Miles.

Amelia (Pink Cushion). Each, 30c.

Six New Korean Mums $1.60

Six Plants, all different, our selection, of the varieties listed below.
Any of these varieties, Each, 35c; set of 11 for $3.10
Prepaid 300 Miles

These are the 1936 introductions of this new race of hardy mums. They are earlier, freer flowering, of more vivid coloring, than the first Koreans to be offered. Tests in our trials at Western Springs, Ill., have proved they give a long period of bloom in this section of early frost. The daisy-like flowers are so abundant as to cover the plants.

ARCTURUS. Massive amber yellow blooms, faint carmine suffusion.

CLIO. Dwarf type. Carmine rose duplex flowers.

FORTUNA. Large ox-blood red flowers.

HESTIA. Big rose pink blossoms, faint white halo.

JUNO. Dwarf. Coppery red fading to salmon.

NIOBE. Compact grower. Glistening white.

NYSA. Tall. Large rosy lilac flowers.

PYSCHE. Graceful formation. Shell pink blooms often 4 inches in diameter.

SAPPHO. Compact and bushy. Bright yellow.

VESTA. Showy deep orange blooms.

VULCAN. Glowing carmine red. Profuse bloomer.

Pinch Back Your Mums

To make garden chrysanthemums bushy, covered with flowers pinch off the tops of all stems twice before they attain the height of 10 inches. After the ground freezes give a liberal covering of hay, straw or leaves, to prevent premature thawing out during the winter and early spring.

For other Hardy Garden Chrysanthemums see page 88, also back cover.

Newest Koreans

Each, 40c; set of 12 for $4.00

APPEAL. Blush white in great profusion.

APHRODITE. Delicate pink blossoms tinted ivory, 3 inch diameter. Profuse bloomer.

FAIRY. Dainty delicate rose with white halo.

FIREFLAME. Deep blood red with carmine suffusion.

HAPPINESS. Unique color. Rosy apricot fading to pale pink.

ORANGE WONDER. Vigorous, dark coppery orange.

ROSAMUND. Duplex or semi-double petals. Pale violet rose.

SATURN. Sparkling orange bronze, thin halo of light orange.

SEQUOIA. Duplex type. Distinctive amber shade.

STELLARIS. Vigorous graceful buttercup yellow.

SULTAN. Dwarf and free blooming, fine rosy salmon.

VENUS. Bright, attractive lilac pink with rose lavender shading.

Outstanding New Varieties for 1938

Following new early flowering hardy varieties are developed and introduced by the United States Bureau of Plant Industry.

ALGONQUIN. Full double yellow, 2½ inch diameter. Each, 75c.

AMOSKEAG. Semi-double light bronze. Dwarf growth. Each, 75c.

INDIAN SUMMER. Double and shaggy blooms of rich dark orange about Oct. 15. Very hardy and free blooming. Each, 50c.

ROMANY. Rich glowing red with carmine and bronze tones. Full double, blooming by Oct. 10. Each, 50c.

GERONIMO. Very double bronze with buff tones. Blooms late August under favorable conditions. Each, 75c.

MANANTICO. Semi-double deep rose showing small yellow center. Each, 75c.

MUSKOGEE. Semi-double purple rose with yellow center. Each, 75c.

CYDONIA. Brilliant and attractive double orange mahogany. Each, 50c.

ELEGANCE. Large single blooms of violet tyrian rose. Each, 50c.

POHATCONG. 2½ inch full double blooms of blush pink showing white at center. Each, 75c.

SEMINOLE. Double white blooms. 2 inch diameter. Each, 75c.

SUWANEE. Single white flowers, 2¾ inches diameter. Each, 75c.

CARNATION CRIMSON KING. The finest hardy carnation blooming practically all summer and fall. Rich ruby red flowers on stout stems, true carnation fragrance. Blooms are very double, often two inches diameter. 3 for 85c.

DWARF ASTER MARJORIE. One of the prettiest new dwarf Michaelmas daisies. A round bush barely 12 inches tall; literally smothered in bright rose-pink blossoms in Sept. 3 for $1.00.

Twelve DISTINGUISHED PERENNIALS (Value $4.75) $3.25

EUPATORIUM COELESTINUM (Hardy Blue Ageratum). We have developed an early flowering type which comes into bloom ten days earlier. Bushy and free flowering. 3 for 85c.

CHRYSANTHEMUM SUPREME. A Shasta Daisy of outstanding merit. Low, bushy foliage, strong, medium height stems with very large flowers. Blooms freely. 3 for $1.00.

GYPSOPHILA BRISTOL FAIRY. The true double Baby's Breath; will not come from seed. All our plants are 2-year grafted. Valuable for bouquets. 3 for $1.50.

HELIOPSIS DOUBLE LEMOINE. A new perennial sunflower. Orange yellow, semi-double flowers in profusion from July until frost. Makes a fine cut flower. 3 for $1.25.

HEMEROCALLIS OPHIR. Rated by all authorities as one of the finest of the new hybrid hemerocallis. Many giant golden-yellow blooms on 4 ft. stems, in July and early August. Each, $1.00.

SCABIOSA CAUCASICA HOUSE'S HYBRIDS. One of the best cut flowers. Pale blue and lavender, graceful and showy. Blooms all summer. 3 for 85c.

SALVIA PITCHERI. The improved form of Salvia Azurea Grandiflora. In September the 4 foot stalks are a mass of dainty indigo blue blossoms. Useful cut flower. 3 for $1.00.

TRITOMA PFITZERI (Red Hot Poker). Spear-shaped flowers of flaming red and orange. In bloom from late August till frost, needs slight winter protection. 3 for 85c.

TROLLIUS NEW HYBRIDS. Globe shaped yellow and orange flowers and finely cut foliage. One of the choicest garden plants. Flowers in June and again in fall. 3 for $1.25.

VIOLA JERSEY GEM. Thrives in full sun or shade. Compact growth, blooming almost steadily from May till frost. Deep purplish violet flowers having a slight perfume. 3 for 85c.

No. 119A. Two each of the above Noteworthy Perennials (24 plants) by Express, $6.00.

Eight PERENNIALS FOR SHADE $2

(Catalog Value $2.75—8 Plants)

ANCHUSA MYOSOTIDIFLORA (The Forget-me-not Anchusa). 1 ft. April-May. It forms a mound of attractive foliage almost hidden by pale blue forget-me-not blooms. 3 for 85c.

ANEMONE JAPONICA SEPTEMBER CHARM. An early flowering variety of the Hupehensis type. Abundant bright pink blossoms from early September until frost. 2 feet tall. 3 for $1.00.

DICENTRA SPECTABILIS (Bleeding Heart). Fern-like foliage and long racemes of heart-shaped pink flowers in May and June. 3 for $1.25.

FUNKIA SUBCORDATA (Plaintain Lily). Large and ornamental green leaves. In August, many white flowers with the perfume of lilies. 3 for $1.00.

HOSTA VARIEGATA. Foliage variegated, green and light yellow. Lavender spikes of bloom in August. A very showy plant of neat and compact growth. 3 for $1.00.

PRIMULA VERIS KLEYNII. Hybrid of the well known English primrose. Heads of 10 to 20 large florets of rich golden yellow shaded apricot towards center. 3 for $1.00.

SEDUM SIEBOLDII. Very beautiful. Forms a circle of trailing stems. Round silvery grey foliage, pink flowers in September. 3 for 85c.

VIOLET ROSINA. A unique hardy pink violet of great fragrance and hardiness. Rose-pink flowers in profusion, spring and fall. 3 for $1.00.

No. 119B. Three of each (24 plants) by Express - - - $5.25

Six New and Colorful Phlox $1.95

Catalog Value $2.60

VARIETIES INCLUDED:

BORDER QUEEN. Dwarf with massive heads of watermelon pink. 3 for $1.50.

DAILY SKETCH. Tall and vigorous. Immense trusses, salmon-pink with crimson eye. 3 for $1.50.

FEUERBRAND (Fireglow). Bright scarlet, large trusses. Tall. 3 for $1.25.

MISS MILLY VON HOBOKEN. Bright pink, faint mauve suffusion. 3 for $1.00.

GRAF ZEPPELIN. Paper white flowers with vermillion red eye. 3 for $1.00.

LEO SCHLAGETER. Most vivid orange scarlet. Large blooms. Good foliage. 3 for $1.50.

No. 119 C. Two each of above Phlox (12 plants), $3.50

SURPRISE PLANT COLLECTIONS

TOWARDS the close of our spring shipping season we have a surplus in many varieties of plants. Generally we dispose of them to wholesale customers, but this year we are offering the following bargains, shipment to be made at the close of our regular shipping season, May 1 to June 1, and selection of varieties to be left with us. We guarantee these Surprise Collections to contain a good selection of varieties at about half our regular price. All varieties are labeled. All Surprise Collections are priced F.O.B. Western Springs, Ill. Orders of not more than 12 plants may be shipped by parcel post, for which postage should be enclosed. Average shipping weight for 12 plants or less, 5 pounds. Orders for more than 12 plants must be shipped by express, at buyer's expense.

Shady Border Collection

A valuable assortment of 25 hardy Perennials which thrive in partial to almost total shade. We send Aquilegias, Funkias, Lythrum, Monarda, Polemonium, Violas and other good varieties to brighten a shady spot. 12 different varieties in every collection, each carefully labeled.

No. 119D. "SHADY BORDER" Perennial Collection, 25 plants, our selection of varieties, for $3.75.

Cut Flower Collection

Lovers of cut flowers can depend on our careful selection in this collection of 25 Perennials for cut flowers. We include Achillea, Aster, Delphinium, Pyrethrum, Shasta Daisy, Veronica and other good cut flower varieties. All carefully labeled and at least 15 different varieties.

No. 119E. "CUT FLOWER" Perennial Collection, 25 plants, our selection of varieties, for $4.00.

SURPRISE PERENNIALS

6 for $1.00; 12 for $1.90; 25 for $3.60

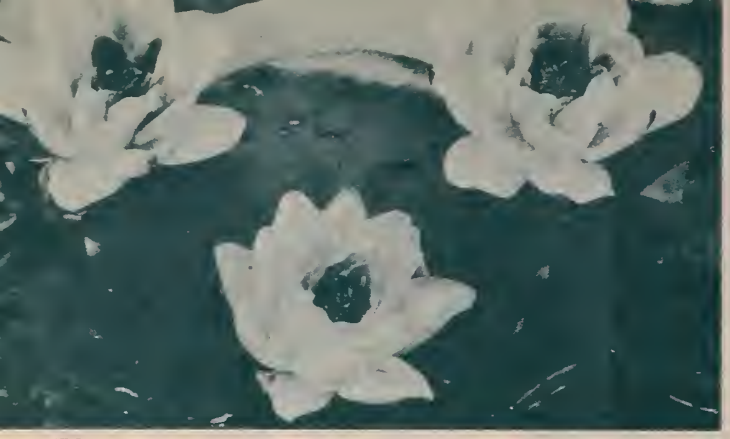
SURPRISE ROCK PLANTS

6 for $1.00; 12 for $1.90; 25 for $3.60

SURPRISE HARDY PHLOX

4 plants, all different, $1.00; 12, no less than 6 varieties, $2.50

All Offers on this Page, F. O. B. Western Springs, Ill., Shipped by Express, Collect, Unless Postage is Sent With Order. See approximate Parcel Post charges on page 116.



Tender Tropical Lilies

While they cannot be set out until after June 1 (around Chicago and New York), they make up for lost time by producing more flowers than the hardies, and these are as large as 14 inches across.

PINK

GENERAL PERSHING: Daybloomer. A bright warm pink. $2.00.
PINK PEARL: Daybloomer. Lighter than Pershing, fully as good. $3.00.
MRS. W. R. JAMES: Daybloomer. More brilliant than Pershing. $3.

LAVENDER AND BLUE

AUGUST KOCH: Cerulean blue with lavender-rose overtones. Daybloomer. $1.75.
BLUE BEAUTY: The best true-blue daybloomer. Twelve-inch flowers. $2.00 each.
PANAMA PACIFIC: Slightly darker than August Koch. Daybloomer. $2.00.
FRANCIS B. GRIFFITH: Finest of all deep purples. $2.50.

Water Lilies

SEE SPECIAL COVER OFFER ON OPPOSITE PAGE →

Hardy Water Lilies

These can be grown in cooler water than tropicals. They can be set out as early as April 1st, and bloom the first year. Plant as late as August 1st for an early start next year.

PINK

ROSE AREY: Cerise-pink, 8-inch flowers. $1.25.
RENE GERARD: Deep old rose. $2.00.
MARLIAC ROSE: Large rose-pink. Free-flowering. $1.25.

YELLOW

CHROMATELLA (Marliac Yellow): Soft canary yellow. $1.25.
SUNRISE: Huge soft yellow. $2.00.

WHITE

GONNERE: Finest double white. $1.75.
MARLIACEA ALBIDA: Free-bloomer. $1.25.

RED

JAMES BRYDON. Deep crimson. $2.00.
GLORIOSA: Deep carmine rose. $1.75.
ATTRACTION: Garnet red. $2.00.

Water Lily Prices are F. O. B. Chicago.

Add 15c postage each for hardy lilies (3 for 30c) and 30c each (3 for 50c) for tropicals.

We can supply any variety.

NEW! VAUGHAN'S FLORAL SCENTED SOAPS

Prices: 3 oz. cake, 25c; per dozen, $2.50; 6 oz. cake, 50c; per dozen, $5.00.
(By post, add 5c per cake on 3 oz., 7c on 6 oz).

IF YOU have been disappointed in the quality of imported toilet soaps (due to restrictions on raw materials abroad) you will be glad to learn of our new line of Floral Scented Soaps, made according to the highest old-time standards, and scented with the same floral oils used in our perfumes. Though entirely an American product, these soaps are made by the best European formulas, possible today only with American materials. They are super-fatted, true cold-cream soaps. The bath size has not been cheapened with cocoanut oils, but contains the same ingredients as the small size.

Odors available are:

Geranium: The true fresh leafy odor of the original plant.
Blue Spruce: Clean and refreshing as a north woods breeze.
Lemon Verbena: The best version we know of an old favorite.
Lavender: Always a favorite.
Original Formula: The odor of the European type cologne, fresh and "herby."
Lilac: Our Lilac perfume is today the leading reproduction of this flower. All that needs to be said is that the soap odor is as convincing as the perfume.

FLORAL SACHETS

The exquisite true-flower fragrance of Vaughan's perfumes has now been incorporated into sachet powders, so that these may be used for perfuming linens and clothes closets to match your favorite scent.

Odors available are:
Carnation, Violet, Bouquet S, True Geranium, Jasmine, Sandalwood, Lavender, and White Rose.

Small Jar, 50c — **Postage 5c extra**
Large Jar, 95c — **Postage 7c extra.**

Vaughan's TRUE FLORAL PERFUMES

BECAUSE they have caught the fresh loveliness of your favorite flowers, Vaughan's True Floral Perfumes have won the favor of women of refinement the world over.

We welcome direct comparison with the actual flower as a test of the accuracy of our reproductions. All perfumes and colognes are full strength and properly aged, both essential to quality. While cologne contains only one-eighth the oil used in perfume, many women use it in the bath, or wherever a refreshing perfumed lotion is wanted.

ODORS AVAILABLE IN EITHER COLOGNE OR PERFUME

The Fragrance of Your Favorite Flower

Appleblossom: An exquisite recreation.
Carnation: The true old-fashioned flower.
Frangipani: Like Jasmine, but not as heavy.
Geranium: The fresh leafy odor.
Gardenia: Just like the flower.
Heliotrope: The true Heliotrope flower.
Jasmine: A favorite for centuries.
Lavender: The well-known English Lavender.
Lilac: True Lilac after a rain.
Lily of the Valley: At last, a satisfactory reproduction of this elusive scent.
Nicotiana: Reproduced for the first time.
Parma Violet: Richer, sweeter than the other.
Red Rose: The true rich fragrance.
Sandalwood: An old favorite, not too sweet.
Sweet Clover: Like a breeze over clover.
Sweet Pea: The exact fragrance.
Ten Weeks' Stocks: The true, spicy-sweet flower.
Violet: The wood violet, clean, fresh.
White Rose: Not as heavy as the Red Rose.
Wild Rose: A light delicate fragrance.

PERFUME PRICES		COLOGNE PRICES	
1 Dram	.50c	1 Ounce	.35c
2 Drams	.90c	4 Ounce	.75c
½ Ounce	$1.60	½ Pint	$1.35
1 Ounce	3.00	1 Pint	2.25

(An ounce contains eight drams.)

These prices postpaid to any point in the United States. Prices are based on plain containers.

BLUE BEAUTY. $2.00

Two Tropical Water Lilies $3.50

Postpaid 300 Miles . . . . .

Huge flowers, 10 to 12 inches across, jewels of the garden. One each, Blue Beauty, the best blue, and Pink Pearl, the sensational Koch hybrid, $5.00 value, for $3.50.

Tropical Lilies are larger, flower more freely and continue to bloom later than the hardy, but should not be planted until warm water is assured.

For delivery beyond 300 mile limit, add 25c.

PINK PEARL. $3.00

Three Hardy Water Lilies $3.65

Postpaid 300 Miles . . . . .

One each, James Brydon, best red, Chromatella, best yellow, and Mme. Jules Chifflot, the sensational New French Rose Pink Giant, never before sold for less than $7.50. An outstanding value, postpaid 300 miles, for $3.65. Add 25c for delivery beyond 300 mile zone.

To left
MME. JULES CHIFFLOT
Available only in Collection

To right
JAMES BRYDON
$2.00

Each a Leader in Its Color

To right
CHROMA-TELLA.
$1.00

RUBRUM
Each, 20c; Doz., $2.00

ELEGANS
Each, 20c; Doz., $2.00

TENUIFOLIUM
Each, 20c; Doz., $2.00

REGALE
Each, 15c; Doz., $1.50

TIGRINUM SPLENDENS
Each, 15c; Doz., $1.50

6 Hardy Garden Lilies $1.00

Postpaid . . . . . .

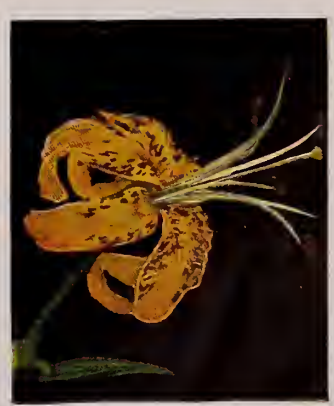
One each of the 6 varieties illustrated: Rubrum, Elegans, Tenuifolium, Regale, Triginum Splendens and Henryi, prepaid 600 miles for $1.00.

These varieties are hardy, vigorous and lasting. true "flowers of the field" and if planted in a well drained location, in mellow soil, will grow and multiply, contributing to your garden picture for years.

Shipped at Your Proper Planting Time.

One Each Variety Separately Bagged and Labeled, Prepaid	**$ 1.00**
Two Each Variety Separately Bagged and Labeled, Prepaid	**1.90**
Six Each Variety Separately Bagged and Labeled, Prepaid	**5.25**
Twelve Each Variety Separately Bagged and Labeled, Prepaid	**10.00**

See Hardy Lily Page for Descriptions of these Varieties and page 80 for seeds.



HENRYI
Each, 20c; Doz., $2.00

Best Eight New Chrysanthemums $2.50
Catalog value $2.90. Prepaid to 600 miles.
Selected from our trials of 32 new varieties as excelling in size, earliness, vivid coloring and vigor. One plant each of
1 Vesta - - 35c
2 Provence - 35c
3 Sappho - - 35c
4 Donald
Wells 45c
5 Brilliancy - 35c
6 Lorelei - - 35c
7 Hestia - - 35c
8 Fortuna - - 35c
1
2
3
4
5
6
7
8

This Appetizing Ear Is
Earliest Golden Sweet
Earliest, Sweetest, Yellow.
Pkt., 10c; ½ lb., 20c; 1 lb., 35c.